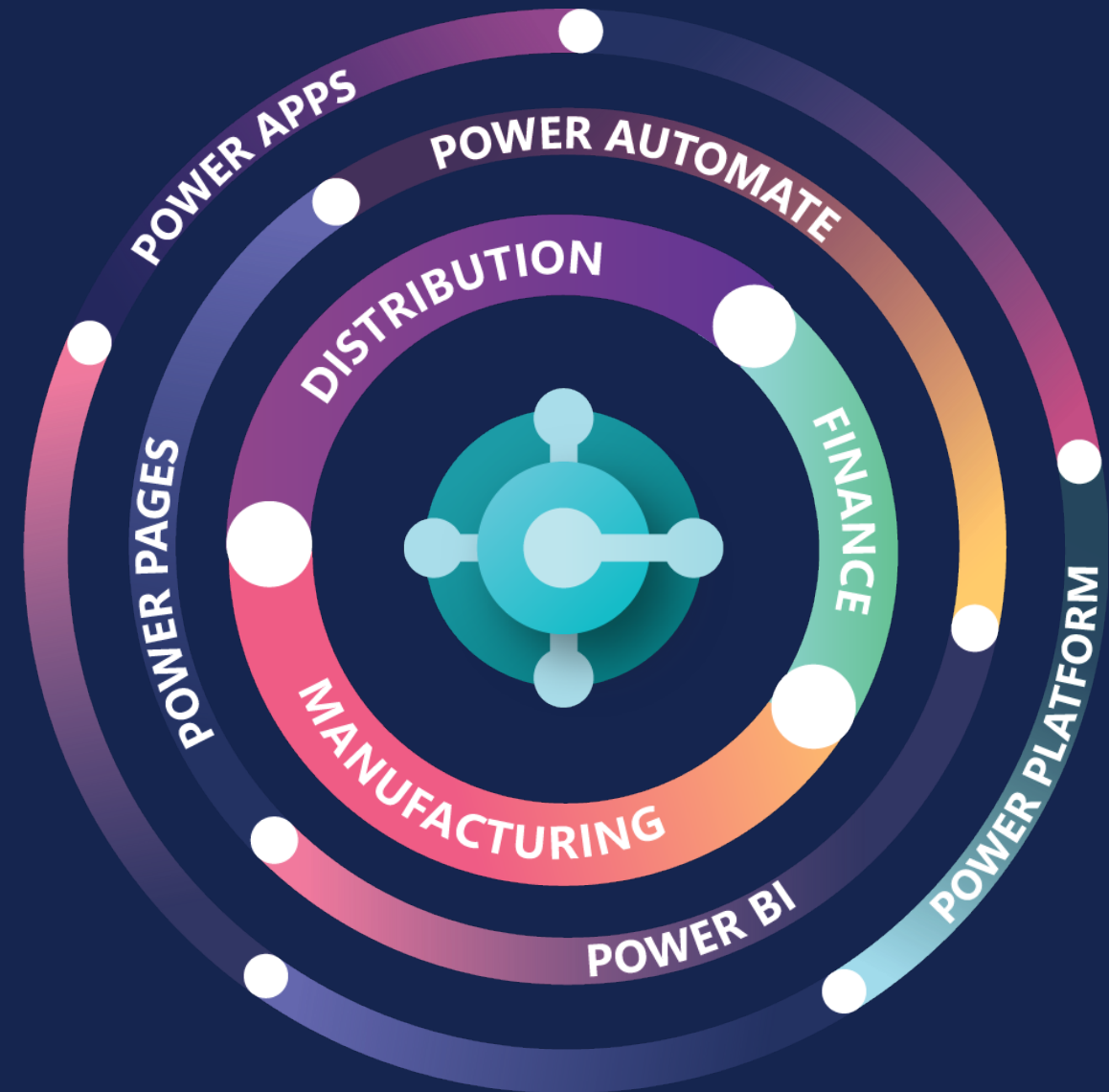


BUSINESS CENTRAL connect

Reporting – is the core product enough?
Understand your options





Can you hear me?



Is everything clear?



~ 45 mins



Q & A



Hi!

George Murcott & Isobel Bowers

What we'll cover

Exploring the options:

1. What are the options?
2. Jet – the old friend?
3. Power BI – the Emperor's new clothes?
4. Cosmos – the Young Pretender?
5. Next steps
6. Resources



Jet Reports: The old friend ?

Everyone loves Excel!

- Large, well-established company
- Long standing product, track record and significant knowledge base out there
- Uses common Excel skills
- Prices held for next year
- Allows multiple connectors to help with upgrades from NAV to BC
- Suited to transactional reporting
- Variety of tools and wizards to create reports
- Can easily incorporate into/with existing reports

BUT...

- Requires work!
- Performance issues have arisen
- Not everyone is an expert in Excel 'tricks'
- Requires knowledge of BC tables and relationships
- Concerns over development of product and commitment by Insight Software, roadmap published but all talk?
- Some issues with recent releases

2024 Product Roadmap Updates

Investment themes: Modernize tech, work from anywhere capabilities, and new features and tools.



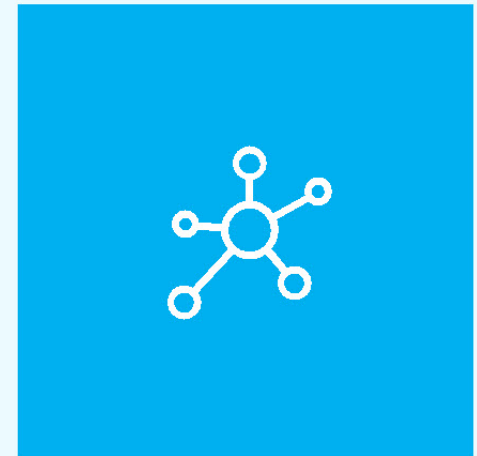
AI-Assisted Analysis



Jet Hub Locally Hosted

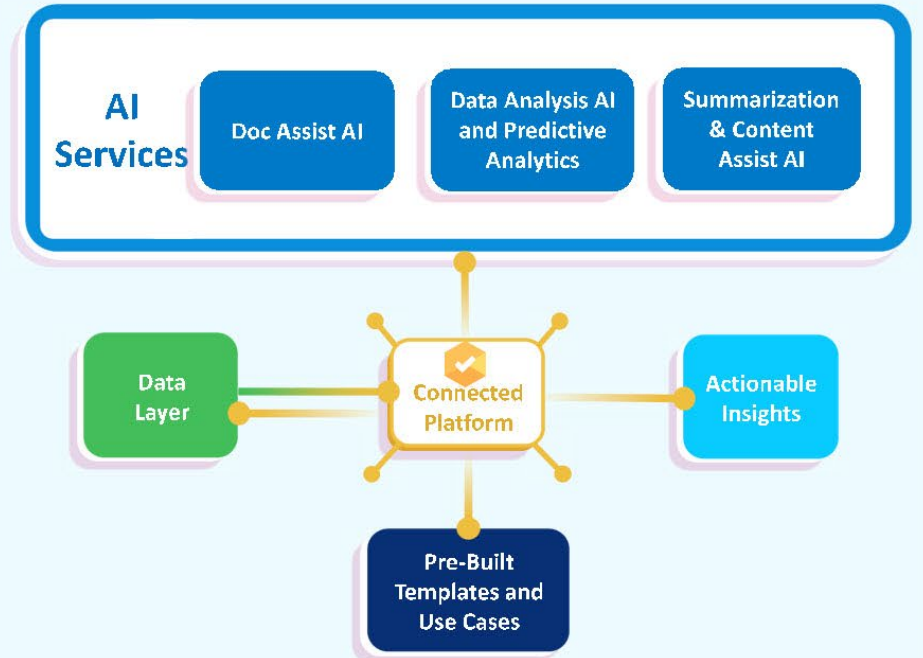
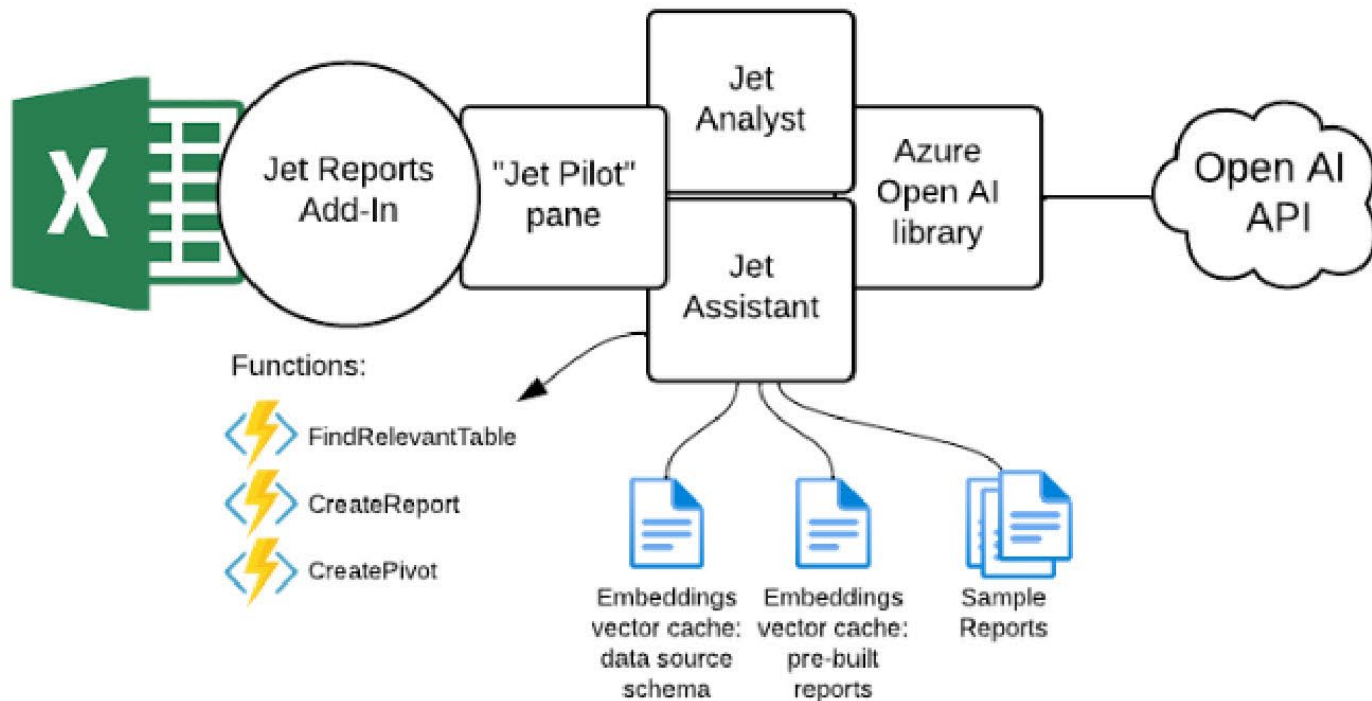


Excel Online Integration



Azure Data Lake Connector

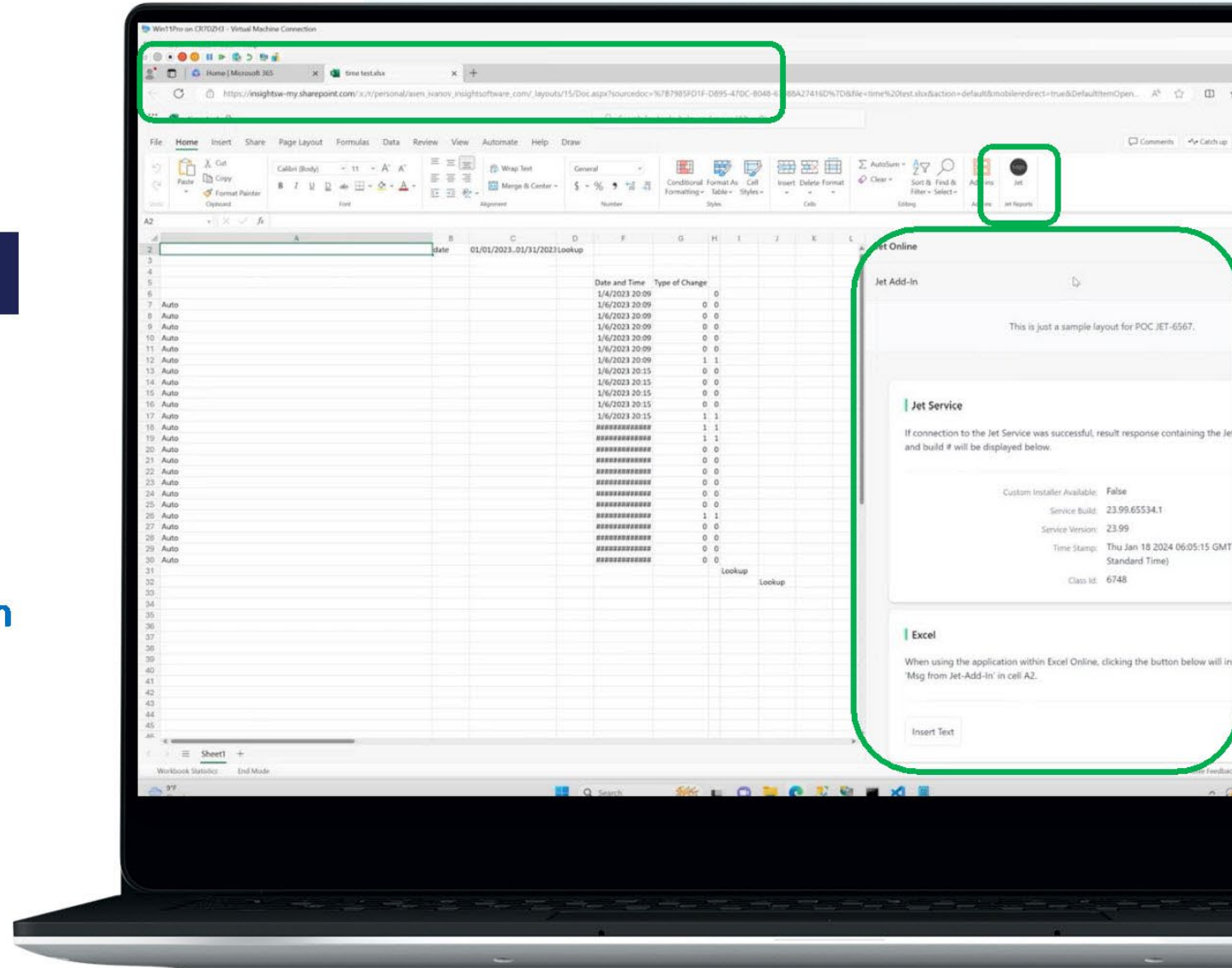
Unlocking the Value of AI for Customers



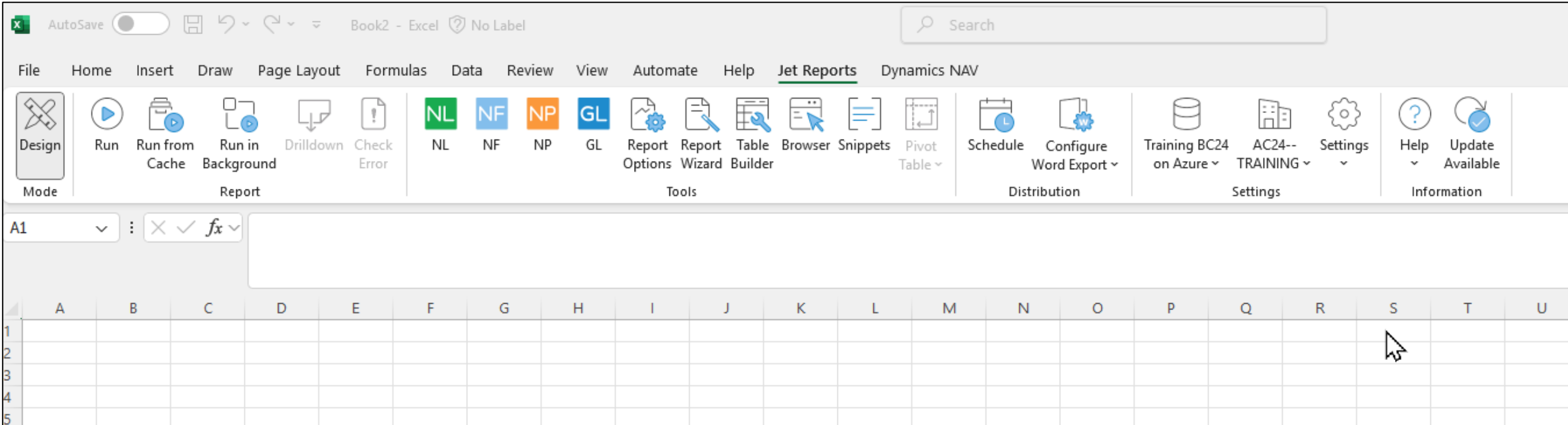
Jet Online POC

3-Easy Steps

- 1 Users navigate to **excel online**
- 2 Jet Reports will appear in the **task ribbon**
- 3 Jet Add-in window will open



Product demonstration (live if time allows!)



The screenshot shows the Microsoft Excel interface with the Jet Reports ribbon selected. The ribbon includes the following groups and items:

- Design Mode**: Design
- Report**: Run, Run from Cache, Run in Background, Drilldown, Check Error
- Tools**: NL, NF, NP, GL, Report Options, Report Wizard, Table Builder, Browser, Snippets, Pivot Table
- Distribution**: Schedule, Configure Word Export
- Settings**: Training BC24 on Azure, AC24-- TRAINING, Settings
- Information**: Help, Update Available

The Excel grid is visible below the ribbon, with columns A through U and rows 1 through 5. The active cell is A1, and the mouse cursor is positioned over cell S1.

Jet Function Wizard



Function Wizard

Help

Jfx | = | ↓ | ★ | Ω | 📊 | 🏷️ | 📄
NL | Evaluate | Drilldown | Favorites | Allow Special | Insert Report | Insert Named | Nested Jet
▼ | Function ▼ | Function Tools | Characters | Option | Range | Function ▼
Argument Tools

NL ▶ FilterField3

What	Value	
"Table"	"Table"	
Table		
"Vendor"	"Vendor"	
Fields		
{"No.", "Name", "Balance (LCY)", "Country/Region Code", "Currency Code"}	{"No.", "Name", "Balance (LCY)", "Country/I	
Filters		
▼ "-Balance (LCY)"	"<>0"	"-Balance (LCY)" = "<>0"
"TableName="	"VendorData"	"TableName=" = "VendorData"

Selected Cell: D6

OK

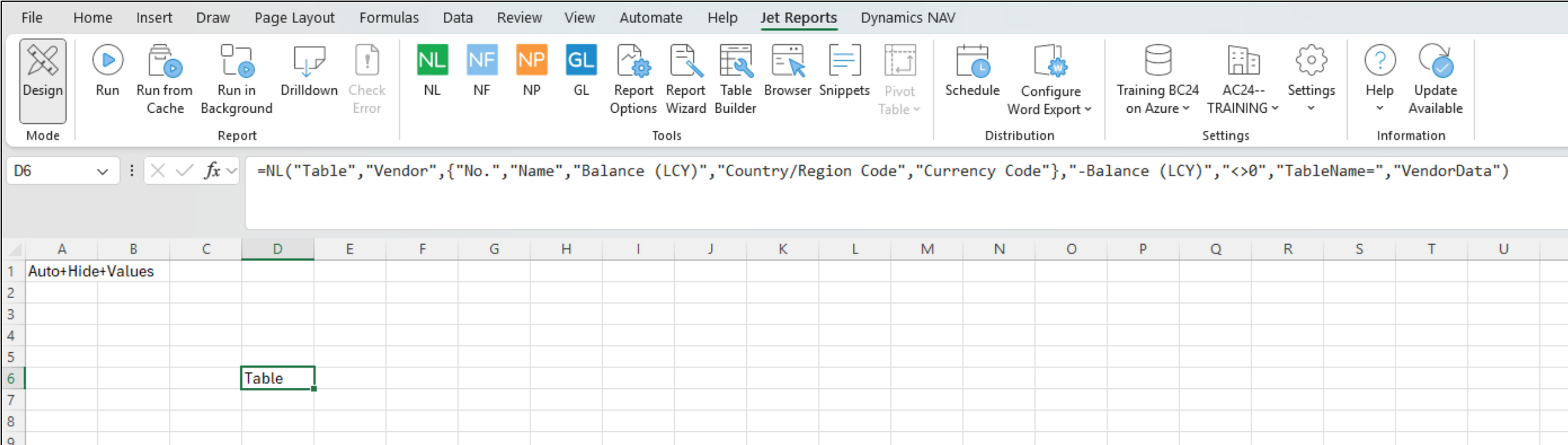
Cancel



Jet Reports

from insightssoftware

Product demonstration



The screenshot displays the Jet Reports software interface. At the top, a ribbon menu includes tabs for File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Automate, Help, **Jet Reports**, and Dynamics NAV. The **Jet Reports** ribbon is active, showing various tool groups: Mode (Design), Report (Run, Run from Cache, Run in Background, Drilldown, Check Error), Tools (NL, NF, NP, GL, Report Options, Report Wizard, Table Builder, Browser, Snippets, Pivot Table), Distribution (Schedule, Configure Word Export), Settings (Training BC24 on Azure, AC24-- TRAINING, Settings), and Information (Help, Update Available).

Below the ribbon, the formula bar shows the following formula in cell D6:

```
=NL("Table","Vendor",{ "No.", "Name", "Balance (LCY)", "Country/Region Code", "Currency Code"}, "-Balance (LCY)", "<>0", "TableName=", "VendorData")
```

The spreadsheet grid below shows a table structure with columns A through U and rows 1 through 9. Cell A1 contains the text "Auto+Hide+Values". Cell D6 contains the text "Table".

File Home Insert Draw Page Layout Formulas Data Review View Automate Help Jet Reports Dynamics NAV Table Design

Table Name: VendorData

Properties: Resize Table

Tools: Summarise with PivotTable, Remove Duplicates, Convert to Range

External Table Data: Insert Slicer, Export, Refresh, Unlink

Table Style Options:

- Header Row
- First Column
- Filter Button
- Total Row
- Last Column
- Banded Rows
- Banded Columns

G7

No.	Name	Balance (LCY)	Country/Region Code	Currency Code
10000	London Postmaster	269684.47	GB	
01254796	Progressive Home Furnishings	110945.63	US	USD
30000	CoolWood Technologies	98357.25	GB	
01863656	American Wood Exports	77793.33	US	USD
V00030	Freight Forwarder	13640	GB	
49454647	VAG - Jürgensen	12763.61	DE	EUR
20000	AR Day Property Management	11385.36	GB	
49494949	KKA Büromaschinen GmbH	9811.73	DE	EUR
43589632	Paul Brettschneider KG	4154.11	AT	EUR
V00080	George Co	3035.25	GB	
33299199	Belle et Belle	2492.48	FR	EUR
33012999	Club Euroamis	1993.97	FR	EUR
38458653	IVERKA POHISTVO d.o.o.	1533.1	SI	EUR
V00050	Local Sub-Contractor	1500	GB	
V00010	Technology Management Limited	1200	GB	
32554455	PURE-LOOK	830.82	BE	EUR
46558855	Kinnareds Träindustri AB	576	SE	SEK
31580305	Beekhuysen BV	300	NL	EUR
Total		621997.11		18



Jet Reports

from insightsoftware

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Select fields

Select fields to be added as columns to the report and adjust the column order.

Add Fields (Sales Line)

<input type="checkbox"/>	Select All
<input type="checkbox"/>	Line No.
<input checked="" type="checkbox"/>	Location Code
<input type="checkbox"/>	Modified At
<input type="checkbox"/>	Modified By
<input type="checkbox"/>	Net Weight
<input checked="" type="checkbox"/>	No.
<input type="checkbox"/>	Originally Ordered No.
<input type="checkbox"/>	Originally Ordered Var. Code
<input type="checkbox"/>	Outbound Whse. Handling Time
<input type="checkbox"/>	Out-of-Stock Substitution
<input type="checkbox"/>	Outstanding Amount
<input type="checkbox"/>	Outstanding Amount (LCY)
<input type="checkbox"/>	Outstanding Qty. (Base)
<input checked="" type="checkbox"/>	Outstanding Quantity
<input type="checkbox"/>	Planned
<input checked="" type="checkbox"/>	Planned Delivery Date
<input checked="" type="checkbox"/>	Planned Shipment Date
<input type="checkbox"/>	Pmt. Discount Amount
<input type="checkbox"/>	Posting Allocation Account No.

Column Order

- 1 Document No.
- 2 Sell-to Customer No.
- 3 No.
- 4 Description
- 5 Unit of Measure Code
- 6 Quantity
- 7 Outstanding Quantity
- 8 Unit Price Excl. VAT
- 9 Line Amount Excl. VAT
- 10 Location Code
- 11 Planned Delivery Date
- 12 Planned Shipment Date
- 13 Shipment Date
- 14 Bill-to Customer No.



Previous

Next

Cancel

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Add filters

Filters limit your report's results where field values match specifications.

Filter field 1

Document Type Order

Add as report option (user sets at report run time)

Filter field 2

Sell-to Customer No. *

Add as report option (user sets at report run time)

Filter field 3

No. *

Add as report option (user sets at report run time)

Filter field 4

Salesperson Code *

Add as report option (user sets at report run time)

+ Add Filter



Previous

Next

Cancel

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Add groups

Groups organize other data in the report by the field(s) you select, and adds a subtotal for numeric fields. The first group you create is your primary group, and subsequent groups are sub-groups.

1. Group by

Salesperson Code

2. Then by

Sell-to Customer No.

Add group



Previous

Next

Cancel

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Add sorting

Sort rows in your report by one or more columns. Your table will be sorted in the order of added fields.

1. Sort by

No. Ascending

Add sort



Previous

Next

Cancel

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Add totals

Adds Grand Total for chosen numerical fields, and subtotals for any groups.

- Quantity
- Outstanding Quantity
- Line Amount Excl. VAT
- Unit Price Excl. VAT



Previous

Next

Cancel

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Format options

These options will change the appearance of your report. Most people do not change anything on this page.

- Add basic Excel formatting to the report. ⓘ
- Outline the groups on the report using Excel's Data Grouping feature. ⓘ



Previous

Next

Cancel

Report Wizard



Data Source

Fields

Filter

Group

Sort

Total

Format

Review & Finish

Review & Finish

Here are the options you have selected. After you click 'Finish', you will not be able to return here to edit this report.



Data Source
Training BC24 on Azure



Company
AC24--TRAINING

Table
Sales Line

Filter	Value
Document Type	Order
Sell-to Customer No.	*
No.	*
Salesperson Code	*

Field	Sort	Group	Total
Document No.			
Sell-to Customer No.		•	
No.	•		
Description			
Quantity			
Outstanding Quantity			•
Line Amount Excl. VAT			•
Location Code			
Planned Delivery Date			
Planned Shipment Date			
Shipment Date			
Bill-to Customer No.			
Unit of Measure Code			
Unit Price Excl. VAT			

After you click 'Finish', you will not be able to return here to edit this report.



Previous

Finish

Cancel



Jet Reports

from insightssoftware

Product demonstration

Report Options

Report options allow you to choose specific filters to narrow the information you want to view.

Title	Value	Lookup
Sell-to Customer No.	*	▼
No.	*	▼
Salesperson Code	*	▼

E5 =NL("Lookup","Sales Line","Sell-to Customer No.")

	A	B	C	D	E	F	G	H
1	Auto+Hide+Values+H	Title		Value	Lookup			
2								
3								
4								
5	Option	Sell-to Customer No.	*		Lookup			
6	Option	No.	*		Lookup			
7	Option	Salesperson Code	*		Lookup			
8								
9								
10								
11								

Product demonstration

File Home Insert Draw Page Layout Formulas Data Review View Automate Help **Jet Reports** Dynamics NAV Comments Share

Design Run Run from Cache Run in Background Drilldown Check Error NL NF NP GL Report Report Wizard Table Browser Snippets Pivot Table Schedule Configure Word Export Training BC24 on Azure AC24-- TRAINING Settings Help Update Available

SUM : X ✓ fx =NL("Rows=9","Sales Line","Salesperson Code","Document Type","Order","Sell-to Customer No.",\$C\$2,"+No.",\$C\$3,"Salesperson Code",\$C\$4)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Auto+Hide	Hide	Hide			Hide	Fit	Hide	Fit	Hide	Fit	Fit		Fit	Fit	Fit	Fit	Fit	Fit
2	Hide	Sell-to Cu	*																
3	Hide	No.	*																
4	Hide	Salespers	*																
5																			
6																			
7							Salesperson Code	Sell-to Customer No.	Document No.	No.	Description	Unit of Measure Code	Quantity	Outstanding Quantity	Unit Price Excl. VAT	Line Amount Excl. VAT	Location C		
8						LT	=NL("Rows=9","Sales Line","Salesperson Code","Document Type","Order","Sell-to Customer No.",\$C\$2,"+No.",\$C\$3,"Salesperson Code",\$C\$4)												
9						LT		10000	10000										
10						LT		10000		"Training	1026	1896-S	ATHENS Desk	PCS	0	0	649.4	0	BLUE
11	Hide					LT		10000											
12						LT		10000											
13						LT		10000											
14	Hide					LT	+	10000											
15						LT													
16						LT	Total for LT												
17	Hide																		
18																			
19							Grand Total												
20																			
21																			
22																			

Product demonstration

File Home Insert Draw Page Layout Formulas Data Review View Automate Help **Jet Reports** Dynamics NAV Comments Share

Design Mode Run Run from Cache Run in Background Drilldown Check Error NL NF NP GL Report Options Report Wizard Table Builder Browser Snippets Pivot Table Schedule Distribution Training BC24 on Azure AC24-- TRAINING Settings Help Update Available

SUM : X ✓ fx =NL("Rows=5","Sales Line","Sell-to Customer No.,"Salesperson Code","@"&\$F9,"Document Type","Order","Sell-to Customer No.,"\$C\$2,"+No.,"\$C\$3)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Auto+Hide	Hide	Hide			Hide	Fit	Hide	Fit	Hide	Fit	Fit	Fit	Fit	Fit	Fit	Fit	Fit	Fit
2	Hide	Sell-to Cu	*																
3	Hide	No.	*																
4	Hide	Salespers	*																
5																			
6																			
7							Salesperson Code		Sell-to Customer No.		Document No.	No.	Description	Unit of Measure Code	Quantity	Outstanding Quantity	Unit Price Excl. VAT	Line Amount Excl. VAT	Location C
8							LT		LT										
9							LT	10000	=NL("Rows=5","Sales Line","Sell-to Customer No.,"Salesperson Code","@"&\$F9,"Document Type","Order","Sell-to Customer No.,"\$C\$2,"+No.,"\$C\$3)										
10							LT	10000	+	"Training	1026	1896-S	ATHENS Desk	PCS	0	0	649.4	0	BLUE
11	Hide						LT	10000											
12							LT	10000	Total for 10000							0		0	
13							LT	10000											
14	Hide						LT												
15							LT	Total for LT								0		0	
16							LT												
17	Hide																		
18								Grand Total								0		0	
19																			
20																			
21																			

Product demonstration

File Home Insert Draw Page Layout Formulas Data Review View Automate Help **Jet Reports** Dynamics NAV

Design Run Run from Cache Run in Background Drilldown Check Error NL NF NP GL Report Options Report Wizard Table Builder Browser Snippets Pivot Table Schedule Configure Word Export Training BC24 on Azure AC24-- TRAINING Settings Help Update Available

SUM : $\text{=NL("Rows", "Sales Line", "Salesperson Code", "@@"\&\$F10, "Sell-to Customer No.", "@@"\&\$H10, "Document Type", "Order", "+No.", "\$C\$3)}$

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Auto+Hide	Hide	Hide			Hide	Fit	Hide	Fit	Hide	Fit	Fit	Fit	Fit	Fit	Fit	Fit	Fit	Fit	
2	Hide	Sell-to Cus*																		
3	Hide	No.	*																	
4	Hide	Salespers	*																	
5																				
6																				
7							Salesperson Code		Sell-to Customer No.		Document No.	No.	Description		Unit of Measure Code	Quantity	Outstanding Quantity	Unit Price Excl. VAT	Line Amount Excl. VAT	Location C
8						LT	LT													
9						LT		10000	10000											
10						LT		10000		$\text{=NL("Rows", "Sales Line", "Salesperson Code", "@@"\&\$F10, "Sell-to Customer No.", "@@"\&\$H10, "Document Type", "Order", "+No.", "\$C\$3)}$									0	BLUE
11	Hide					LT		10000												
12						LT		10000	Total for 10000										0	0
13						LT		10000												
14	Hide					LT														
15						LT	Total for LT												0	0
16						LT														
17	Hide																			
18							Grand Total												0	0
19																				
20																				
21																				
22																				

Go to Design Mode Run Run from Cache Run in Background Drilldown Check Error Report Wizard Table Builder Pivot Table Schedule Configure Word Export Training BC24 on Azure AC24-- TRAINING Settings Help Update Available

fx 649.4

	D	E	G	I	K	L	M	N	O	P	Q	R	S	T	U	V	
			Salesperson Code	Sell-to Customer No.	Document No.	No.	Description	Unit of Measure Code	Quantity	Outstanding Quantity	Unit Price Excl. VAT	Line Amount Excl. VAT	Location Code	Planned Delivery Date	Planned Shipment Date	Shipmen	
8			LT														
9				10000													
10					1026	1896-S	ATHENS Desk	PCS	0	0	649.4	0 BLUE		07/09/2026	06/09/2026	06/09	
11					1021	1900-S	PARIS Guest Chair, black	PCS	1	1	125.1	125.1 BLUE		07/09/2026	06/09/2026	06/09	
12					1022	1900-S	PARIS Guest Chair, black	PCS	25	25	115	2875 BLUE		07/09/2026	06/09/2026	06/09	
13					1028	1900-S	PARIS Guest Chair, black	PCS	10	10	120	1200 BLUE		07/09/2026	06/09/2026	06/09	
14					1031	1900-S	PARIS Guest Chair, black	PCS	5	0	122	610 BLUE		07/09/2026	06/09/2026	06/09	
15					1034	1900-S	PARIS Guest Chair, black	PCS	11	0	120	1320 BLUE		07/09/2026	06/09/2026	06/09	
16					1036	1900-S	PARIS Guest Chair, black	PCS	15	0	120	1800 RED		07/09/2026	06/09/2026	06/09	
17					1038	1900-S	PARIS Guest Chair, black	PCS	50	50	112.5	5625 BLUE		19/10/2026	17/10/2026	17/10	
18					1040	1900-S	PARIS Guest Chair, black	PCS	1	1	125.1	125.1 BLUE		08/09/2026	06/09/2026	06/09	
19					1047	1900-S	PARIS Guest Chair, black	PCS	1	1	125.1	125.1 BLUE		02/06/2026	01/06/2026	01/06	
20					1051	1900-S	PARIS Guest Chair, black	PCS	0	0	125.1	0 BLUE		08/09/2026	06/09/2026	06/09	
21					1052	1900-S	PARIS Guest Chair, black	PCS	1	1	125.1	125.1 BLUE		06/05/2026	05/05/2026	05/05	
22					1053	1900-S	PARIS Guest Chair, black	PCS	1	1	125.1	125.1 BLUE		02/11/2026	31/10/2026	31/10	
23					1026	1908-S	LONDON Swivel Chair, blue	PCS	0	0	123.3	0 BLUE		07/09/2026	06/09/2026	06/09	
24					1026	1924-W	CHAMONIX Base Storage Unit	PCS	0	0	136.4	0 BLUE		07/09/2026	06/09/2026	06/09	
25					1026	1928-S	AMSTERDAM Lamp	PCS	10	10	35.6	356 BLUE		07/09/2026	06/09/2026	06/09	
26					1027	1928-S	AMSTERDAM Lamp	PCS	10	10	35.6	356 BLUE		07/09/2026	06/09/2026	06/09	
27					1024	1960-S	ROME Guest Chair, green	PCS	1	1	120	120 BLUE		07/09/2026	06/09/2026	06/09	
28					1025	1960-S	ROME Guest Chair, green	PCS	1	1	125.1	125.1 BLUE		07/09/2026	06/09/2026	06/09	
29					1028	1960-S	ROME Guest Chair, green	PCS	8	8	125.1	1000.8 BLUE		07/09/2026	06/09/2026	06/09	
30					1032	1960-S	ROME Guest Chair, green	PCS	6	0	125.1	750.6 BLUE		07/09/2026	06/09/2026	06/09	
31					1024	1968-S	MEXICO Swivel Chair, black	PCS	1	1	123.3	113.3 BLUE		07/09/2026	06/09/2026	06/09	
32					1025	1968-S	MEXICO Swivel Chair, black	PCS	1	1	123.3	123.3 BLUE		07/09/2026	06/09/2026	06/09	
33					1035	1968-S	MEXICO Swivel Chair, black	PCS	12	0	123.3	1479.6 BLUE		07/09/2026	06/09/2026	06/09	
34					1016	70100	Paint, black	CAN	10	10	2.7	27 BLUE		07/09/2026	06/09/2026	06/09	
35					1047	70100	Paint, black	CAN	1	1	2.7	2.7 BLUE		02/06/2026	01/06/2026	01/06	
36					1052	70100	Paint, black	CAN	1	1	2.7	2.7 BLUE		06/05/2026	05/05/2026	05/05	
37					1016	70101	Paint, yellow	CAN	5	5	2.7	13.5 BLUE		07/09/2026	06/09/2026	06/09	
38					1017	80208-T	Microsoft Intellimouse	PCS	10	10	2.9	29 BLUE		11/02/2026	10/02/2026	10/02	
39					1026	S-FREIGHT	Misc. Freight Charges (Sales)		1	1	10	10 BLUE		07/09/2026	06/09/2026	06/09	
40					1027	S-FREIGHT	Misc. Freight Charges (Sales)		0	0	0	0 BLUE		07/09/2026	06/09/2026	06/09	
42					Total for 10000							150	18565.1				

Product demonstration



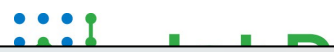
from insightssoftware

File Home Insert Draw Page Layout Formulas Data Review View Automate Help **Jet Reports** Dynamics NAV

Design Mode | Run | Run from Cache | Run in Background | Drilldown | Check Error | NL | NF | NP | GL | Report Options | Report Wizard | Table Builder | Browser Snippets | Pivot Table | Schedule | Configure Word Export | Distribution | Training BC24 on Azure | AC24-- TRAINING | Settings | Help | Update Available

F13 : X ✓ fx =NL("Rows", "G/L account", "no.", "No.", Sheet1!\$C\$6, "Income/Balance", Sheet1!\$C\$4, "Account Type", Sheet1!\$C\$5)

	A	B	C	D	E	F	G	H	I	J	K
1	Auto+Hide+Value	Title+Fit	Value+Fit	Lookup+Hide	Tooltip+Hide	Fit	Fit	Fit	Fit	Fit	
2			Report Options								
3	Option	DateRange	01/01/2026..31/12/2026	Lookup	Choose a date range						
4	Option	Income/Balance	Income Statement..Balance Sheet	Lookup	Choose: Income Statement, Balance Sheet (or select both)						
5	Option	Account Type	Posting..End-Total	Lookup	Choose an account type: Posting / Total / End Total / Begin Total / Total / Heading (multiple can be selected)						
6	Option	G/L Account (Nominal)	8000..8999		Choose an account number or range						
7	Option	Period Type	Month	Lookup	Choose a period type: Week, Month, Quarter or Year						
8	Option	G/L Budget	2026	Lookup	Pick a budget						
9	hide							01/01/2026			
10	hide							31/01/2026			
11								01/01/2026..31/01/2026			
12						No.	Name	Jan-2026	Budget	Difference	
13						8110	Cleaning	£6,874	£4,000	-£2,874	
14											
15											
16											
17											
18											



Go to Design Run Run from Cache Run in Background Drilldown Check Error Report Wizard Table Builder Pivot Table Schedule Configure Word Export Training BC24 on Azure AC24-- TRAINING Settings Help Update Available

B13 fx

Report Options															
DateRange	01/01/2026..31/12/2026														
Income/Balance	Income Statement..Balance Sheet														
Account Type	Posting..End-Total														
G/L Account (Nominal)	8000..8999														
Period Type	Month														
G/L Budget	2026														
		01/01/2026..31/01/2026			01/02/2026..28/02/2026			01/03/2026..31/03/2026			01/04/2026..30/04/2026				
No.	Name	Jan-2026	Budget	Difference	Feb-2026	Budget	Difference	Mar-2026	Budget	Difference	Apr-2026	Budget	Difference		
8000	Operating Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8100	Building Maintenance Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8110	Cleaning	£6,874	£4,000	£-2,874	£900	£4,000	£3,100	£550	£4,000	£3,450	£200	£4,000	£3,800		
8120	Electricity and Heating	£628	£8,000	£7,372	£600	£5,000	£4,400	£0	£5,000	£5,000	£0	£5,000	£5,000		
8130	Repairs and Maintenance	£174	£30,000	£29,826	£0	£25,000	£25,000	£350	£25,000	£24,650	£0	£25,000	£25,000		
8190	Total Bldg. Maint. Expenses	£7,676	£42,000	£34,324	£1,500	£34,000	£32,500	£900	£34,000	£33,100	£200	£34,000	£33,800		
8200	Administrative Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8210	Office Supplies	£11	£8,500	£8,489	£200	£6,000	£5,800	£430	£6,000	£5,570	£0	£6,000	£6,000		
8230	Phone and Fax	£0	£2,000	£2,000	£300	£2,000	£1,700	£0	£2,000	£2,000	£0	£2,000	£2,000		
8240	Postage	£194	£400	£206	£0	£350	£350	£0	£350	£350	£0	£350	£350		
8290	Total Administrative Expenses	£205	£10,900	£10,695	£500	£8,350	£7,850	£430	£8,350	£7,920	£0	£8,350	£8,350		
8300	Computer Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8310	Software	£0	£5,550	£5,550	£0	£6,050	£6,050	£0	£4,550	£4,550	£0	£4,550	£4,550		
8320	Consultant Services	£116	£220	£104	£1,000	£220	£-780	£984	£220	£-764	£0	£220	£220		
8330	Other Computer Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8340	Broadband costs	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8390	Total Computer Expenses	£116	£5,770	£5,654	£1,000	£6,270	£5,270	£984	£4,770	£3,786	£0	£4,770	£4,770		
8400	Selling Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8410	Advertising (reqrs Dim-Dept)	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8420	Entertainment and PR (reqrs Dim-Dept)	£174	£340	£166	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8430	Travel (reqrs Dim-Dept)	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8450	Delivery Expenses ((reqrs Dim-Dept-Sales-dflt)	£21	£40	£19	£100	£0	£-100	£0	£0	£0	£0	£0	£0		
8490	Total Selling Expenses	£194	£380	£186	£100	£0	£-100	£0	£0	£0	£0	£0	£0		
8500	Vehicle Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8510	Fuel and Motor Oil	£52	£100	£48	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8520	Registration Fees	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8530	Repairs and Maintenance	£37	£80	£43	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8590	Total Vehicle Expenses	£89	£180	£91	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8600	Other Operating Expenses	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		
8610	Cash Discrepancies	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0		

Power BI: The Emperor's new clothes ?



Power BI looks amazing!

- Lots of desire to use Power BI amongst our customer base
- Grew out of Excel & Power Query/Pivot/Maps
- Not just BC reporting, a range of connectors available
- More engaging and interactive, visual focus
- Great for access, online, using Dashboards to target exactly what a user needs
- Advanced features like row level security
- Salesperson/manager, access anywhere via the mobile app when away from desk
- Great tools built in, like Power Query

BUT...

- Do you have a data specialist (or the time to become one)?
- A false start for some customers, expensive and clunky for others
- Getting at data in BC is usually the challenge!
- No direct access to the tables (even on prem), its Pages and Queries
- Big issue is getting to the data
- Some performance issues, vastly reduced if using read only database

Power BI documentation

Power BI amplifies your insights and the value of your data. With Power BI documentation, you get expert information and answers to address your needs, no matter how you use Power BI.

WHAT'S NEW
Join the Fabric Community Conference

GET STARTED
Download Power BI for free

HOW-TO GUIDE
Share Power BI reports and dashboards

TRAINING
Get started with D

Do more in Power BI

Use Power BI software services, apps, and connectors to turn your unrelated sources

Power BI: Get started

What is Power BI?

Copilot in Power BI

Copilot for Power BI

Update your Power BI

Microsoft Power BI Blog

Power BI September 2024 Feature Summary

September 25, 2024 by Jason Himmelstein

Welcome to the September 2024 update! We have a lot of exciting updates to share with you this month as well as a new feature you've been waiting for. You can now choose from a variety of themes Power BI Desktop, including the most requested Dark Mode! You can personalize your data visualization experience to match your preferences and working environment. In addition, we've now consolidated similar options in the menu bar and streamlined the button text for better readability and responsive screen sizing.

READ MORE

MOST RECENT ARTICLES

Update to Direct Lake documentation

Analysis Services Announcements Direct Lake Features Power BI

Semantic model October 2, 2024 by Christian Wade

WHAT IS POWER BI?

Power BI is a suite of business analytics tools to analyze data and share insights. Monitor your business and get answers quickly with rich dashboards available on every device.

Power BI resources (official)



- Extensive online documentation

<https://learn.microsoft.com/en-gb/power-bi/?culture=en-us&country=us>

- Power BI Blog,

<https://powerbi.microsoft.com/en-us/blog/>

- Great official YouTube channel, check Playlists section for 'hidden gems'

<https://www.youtube.com/@MicrosoftPowerBI/playlists>

<https://www.youtube.com/playlist?list=PL1N57mwBHtN0JFoKSR0n-tBkUJHeMP2cP>

https://www.youtube.com/playlist?list=PL1N57mwBHtN0tyk_tTM3t4XR5SPH4cJO1



Analyze & Visualize Data with Power BI

View full playlist



Getting Started with Power BI

View full playlist

Power BI resources (unofficial)

- There are many MVPs who come from a Power Query background who have converted to be Power BI specialists, find them on YouTube
- <https://www.youtube.com/playlist?list=PLmHVyfmCRKyzp9Mu-C-Zx8CsPSPelaDR8>
- https://www.youtube.com/playlist?list=PLDz00I_jz6zzttb28XH8GHZNL6vvpBlkQ



Drillthrough with a Power BI slicer

Power BI Tutorials
by Curbal
301 videos 116,092 views Last updated on 29 Aug 2024

▶ Play all ⌘ Shuffle

All my videos on Power BI tips and tricks + general videos that do not include Power query or DAX Fridays as I have a separate playlist for them.

- 1 **Drillthrough with a Power BI slicer**
Curbal • 3.8K views • 2 weeks ago
- 2 **Need inspiration for your Power BI Reports? | This might help you.**
Curbal • 3.6K views • 1 month ago
- 3 **An IMAGE is worth more than a THOUSAND words...**
Curbal • 2K views • 1 month ago
- 4 **BEST data visualization to quickly track sales in Power BI**
Curbal • 3.1K views • 1 month ago
- 5 **How to Create Dynamic Small Multiples in Power BI Without Hardcoding Rows and Columns in Power BI**
Curbal • 2.9K views • 2 months ago
- 6 **BEAUTIFUL and EASY infographics in Power BI | Waffle charts**
Curbal • 3.2K views • 2 months ago
- 7 **Make your text POP in Power BI!!!**
Curbal • 4.7K views • 3 months ago

POWER BI GET STARTED NOW

Power BI - Get started with these quick tutorials

Leila Gharani
12 videos 297,463 views Last updated on 6 Sept 2023

▶ Play all ⌘ Shuffle

- 1 **POWER BI GET STARTED NOW**
23:03
- 2 **POWER BI DID YOU KNOW THIS**
12:46
- 3 **ORGANIZATIONAL DATA TYPES**
12:16
- 4 **LIVE DASHBOARD IN P**
10:17

Power BI official roadmap



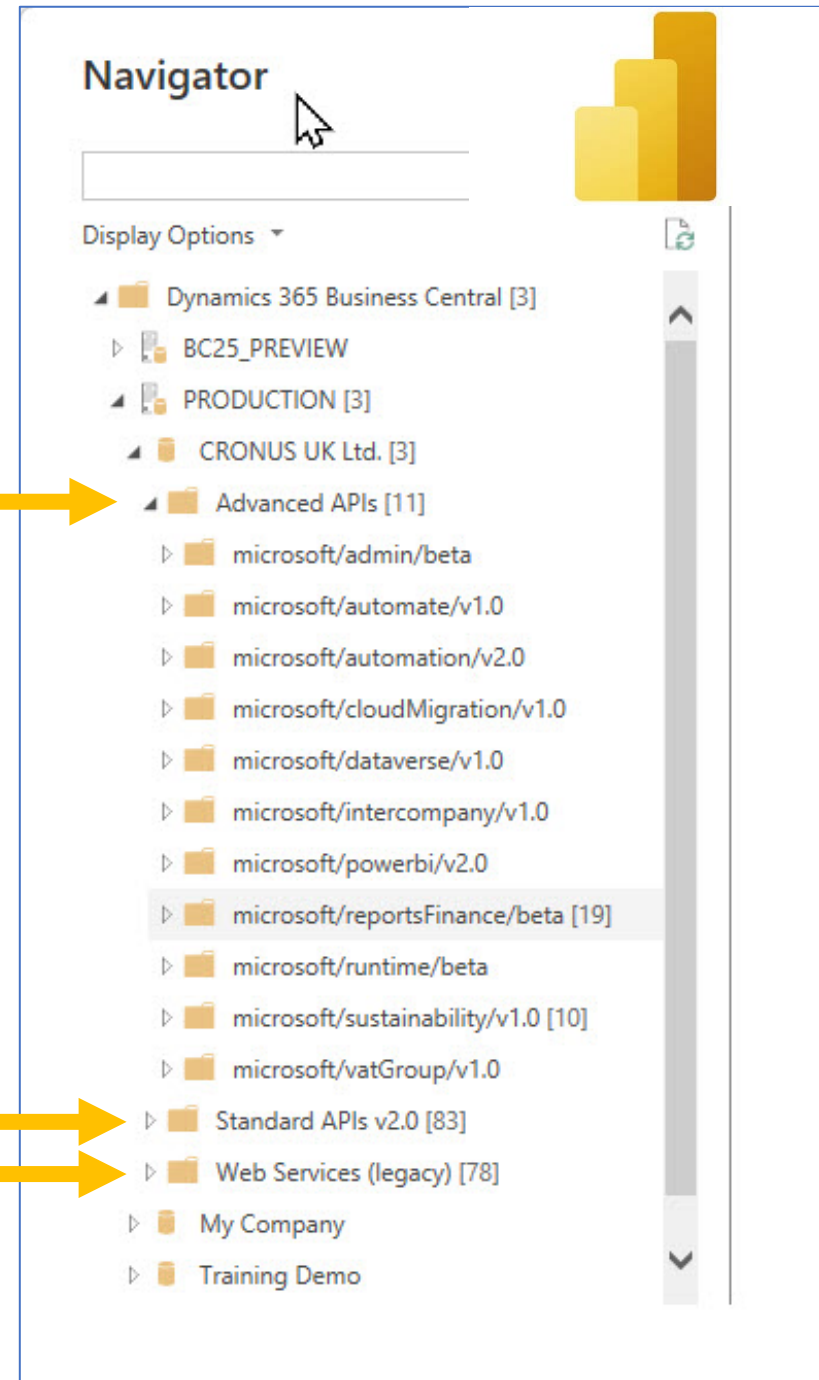
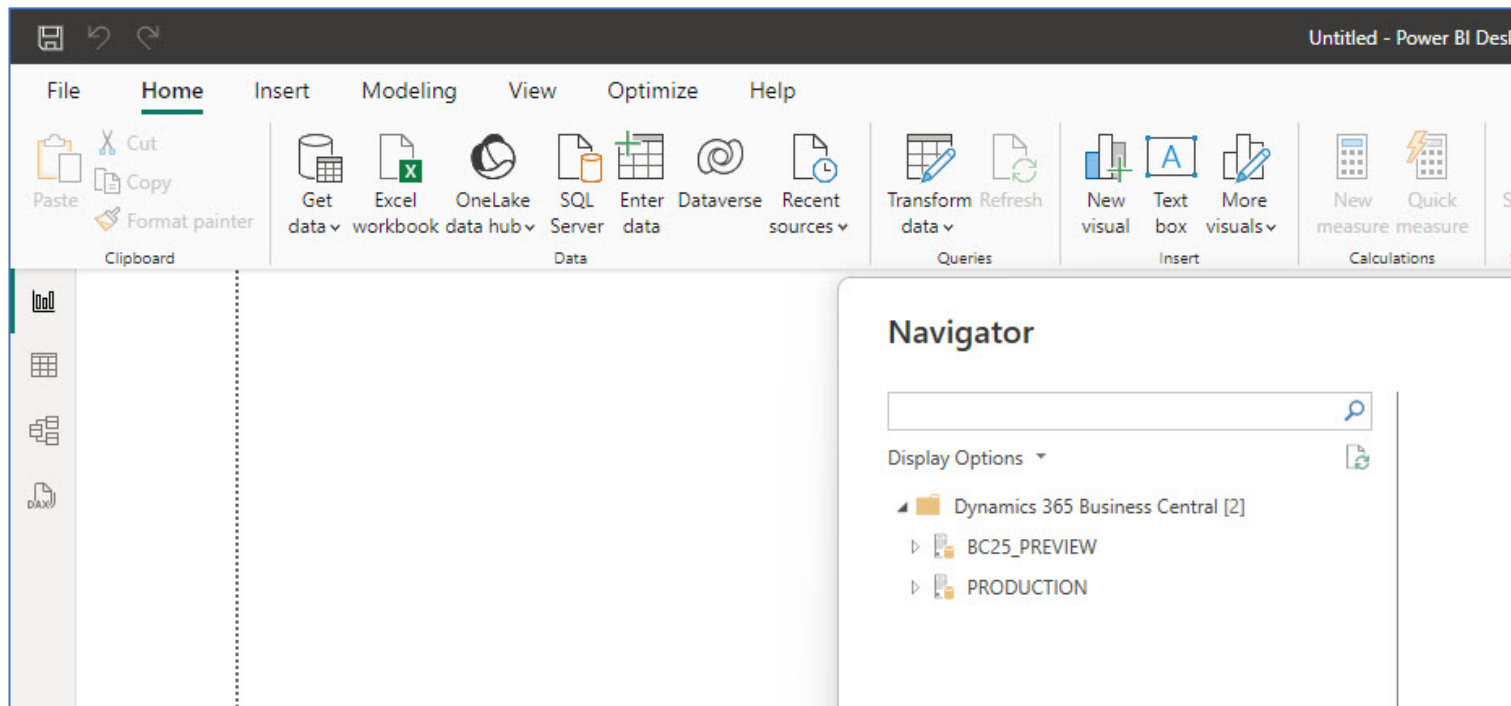
- Was developing so fast it was very hard to keep up with!
- Great Blog, monthly updates, lots of detail including videos
- Now part of "Fabric" the enterprise level solution for data storage and analysis, "Big Data", Data Lake/Data Warehouse/ Data Lakehouse

<https://learn.microsoft.com/en-us/training/paths/get-started-fabric/>

- Pricing is here: <https://www.microsoft.com/en-gb/power-platform/products/power-bi/pricing>

Standard BC APIs

- You get what you get, but it has got better!
- Have to build the relationships yourself
- Won't have bespoke fields etc



Current Considerations - Web Services



- Make plans to switch if using , old technology, not recommended

Contoso Electronics Dynamics 365 Business Central

Environment: BC25_Preview

Web Services

If you want to set up an OData connection, for performance and stability reasons consider using an API page instead. Don't show again | API documentation

+ New Edit List Delete Reload Download Metadata Document More options

Object Type ↑	Object ID	Object Name	Service Name ↑	All Tenants	Published	OData V4 URL	SOAP URL
Query	268	Project Ledger Entries	JobLedgerEntries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	61	Power BI Cust. Item Ledg. Ent.	Power BI Cust. Item Ledg. Ent.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	62	Power BI Cust. Ledger Entries	Power BI Cust. Ledger Entries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	50	Power BI Customer List	Power BI Customer List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	53	Power BI GL Amount List	Power BI GL Amount List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	58	Power BI GL Budgeted Amount	Power BI GL BudgetedAmount	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	52	Power BI Item Purchase List	Power BI Item Purchase List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	57	Power BI Item Sales List	Power BI Item Sales List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	54	Power BI Projects List	Power BI Jobs List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	64	Power BI Purchase Hdr. Vendor	Power BI Purchase Hdr. Vendor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	56	Power BI Purchase List	Power BI Purchase List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	60	Power BI Sales Hdr. Cust.	Power BI Sales Hdr. Cust.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	55	Power BI Sales List	Power BI Sales List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable
Query	59	Power BI Top Cust. Overview	Power BI Top Cust. Overview	<input type="checkbox"/>	<input checked="" type="checkbox"/>	https://api.businesscentral.dynamics.com/v2...	Not applicable

Current Considerations - Read Scale-out

- Bespoke existing API Queries or API pages, changes possibly needed
- 'Read only' database option introduced in BC 2020 wave 1
- Change the **DataAccessIntent** from read/write to read-only in the VS code of the API Page/Query
- Available & automatically enabled in BC SaaS,
- Can be switched on in on-prem
- <https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/administration/database-read-scale-out-overview>

```
Report 18031805 "Sales Statistics NAVLAB_TZR"
{
    DefaultLayout = RDLC;
    RDLCLayout = './ReportLayouts/Sales Statistics NAVLAB.rdlc';
    Caption = 'Sales Statistics';
    ApplicationArea = All;
    UsageCategory = ReportsAndAnalysis;
    DataAccessIntent = ReadOnly;

    dataset
    {
        2 references
        dataitem(Customer; Customer)
    }
}
```


Power BI and BC25



- Looks promising but no details, wait till November
- Out-of-the-box Power BI reports for finance, sales, purchasing, inventory, manufacturing, and projects

<i>Finance</i>	<i>Sales</i>	<i>Purchasing</i>	<i>Inventory</i>	<i>Manufacturing</i>	<i>Projects</i>
14 reports	12 reports	13 reports	7 reports	11 reports	6 reports

- It's the new APIs that excite us! Use them to build your own reports
- Release notes here:

<https://learn.microsoft.com/en-us/dynamics365/release-plan/2024wave2/smb/dynamics365-business-central/use-embedded-power-bi-reports-out-box>

Product demonstration (live if time allows!)



Product demonstration (live if time allows!)



Product demonstration (live if time allows!)



Product demonstration (live if time allows!)



Product demonstration (live if time allows!)



The screenshot shows the Outlook interface with a blue header bar containing the search bar and navigation icons. The main content area displays an email from Microsoft Power BI. The email header includes the sender's name 'Microsoft Power BI', the recipient 'George Murcott', and the date 'Fri 2024-10-04 13:54'. The email body contains a subscription link for 'george demo1.png', a 'Summary by Copilot' section, and a 'Go to the dashboard >' button. A horizontal bar chart is visible at the bottom of the email content.

Cosmos: The Young Pretender ?

COSMOS

Modern, quick, user friendly

- Built for the Cloud
- Removes performance issues (Datawarehouse)
- Developing rapidly, new features added
- Great end user reactions, modern interface
- Clear roadmap
- Comparable Price to Jet for the base package
- Opens up Power BI (cost saving)
- Great for scheduling, easy security
- Our default option for new BC projects
- Now proving itself with our customers

BUT...

- SaaS only (not for BC on prem)
- New kid on the block, but its people are not 😊

Cosmos Resources

- Great website, lots of training videos and articles

<https://www.cosmosdatatech.com/>

COSMOS

COSMOS Features Training Partners Company Support Login Contact

Lightning-Fast Cloud Reporting and Analytics Built for Business Central

Make data-driven decisions at the speed of business with Cosmos, the only true cloud reporting and analytics solution for Business Central built for accurate data, rapid insights, and everyday users.

GET A DEMO WATCH ON-DEMAND OVERVIEW 6 min

Book a Demo

COSMOS

Reporting Reports Power BI Data Management Administration

Report Runs

Income Statement by Company

Date Range Enabled RUN

Cosmos key features

- Quick to setup (30 mins)
- Easy user administration
- 'cleaner' data model
- Modern interface, reaction from one customer "That's more like it!"
- Fast, no performance impact on BC, incremental refresh
- Extra connectors for Excel, Azure SQL
- Viable option for historic data migration
- Cost effective Data Warehouse

Product demonstration (Live if time allows!)

COSMOS










- Reporting
- Data Management
- Administration
- Users**
- File Storage
- Power BI

	George Murcott george.murcott@tecmandemos.co.uk	Administrator API User x Data Model Editor x Power BI Viewer x Report Editor x Report Viewer x	⌵	⌵	🗑️
	Isobel Bowers isobel.bowers@tecmandemos.co.uk	Administrator x API User x Data Model Editor x Power BI Viewer x Report Editor x Report Viewer x	⬆️	⌵	🗑️
	James Crowter James.Crowter@tecmandemos.co.uk	<div style="border: 1px solid #ccc; padding: 5px;"> <input checked="" type="checkbox"/> Administrator <input checked="" type="checkbox"/> API User <input checked="" type="checkbox"/> Data Model Editor <input checked="" type="checkbox"/> Power BI Viewer <input checked="" type="checkbox"/> Report Editor <input checked="" type="checkbox"/> Report Viewer </div>		⌵	🗑️
	Luci Ownsworth			⌵	🗑️
	Mark Connolly			⌵	🗑️
	Matthew Woodhouse Matthew.Woodhouse@tecmandemos.co.uk			⌵	🗑️
	Natalie Ward			⌵	🗑️
	Ryan Tudor	Power BI Viewer x Report Editor x Report Viewer x	⌵	⌵	🗑️
	Stuart Smith stuart.smith@tecmandemos.co.uk	Power BI Viewer x Report Viewer x	⌵	⌵	🗑️
	Tirath.Kallah	Report Editor x Report Viewer x	⌵	⌵	🗑️

Lite Users: 1 / 100

USER NAME ↑	USER ROLES	ACTIONS
Ed Gardiner edward.gardiner@tecmandemos.co.uk	Report Viewer x	⌵ ⌵ 🗑️



-  Reporting
-  Data Management
-  Manage
-  Staging
-  Transformations
-  Data Model
-  Administration

Data Model










Data Model

- ▶ GL Transactions
- ▶ Global Dimension 1
- ▶ Global Dimension 2
- ▶ Inventory Posting Group
- ▶ Inventory Transactions
- ▶ Item
- ▶ Location
- ▶ Open Purchase Orders
- ▶ Open Sales Orders
- ▶ Product Posting Group
- ▶ Purchase Transactions
- ▼ Sales Transactions
 - ▶ Fields
 - ▶ Relationships
- ▶ Salesperson

Selected Table: Sales Transactions

Field Name	Key Field ?	Value Entry ⓘ	Return Receipt Line ⓘ	Sales Cr.Memo Line ⓘ	Sales Invoice Line ⓘ	Service Invoice Line ⓘ	Sales Shipment Line ⓘ	Service Cr.Memo Line ⓘ	Service Shipment Line ⓘ
Bill-to Customer No	<input type="checkbox"/>	Bill-to C ▾	Bill-to Cr ▾	Bill-to Cu ▾	Bill-to C ▾	Bill-to Cr ▾	Bill-to Cu ▾	Bill-to Cu ▾	Bill-to Cu ▾
Business Posting Group	<input type="checkbox"/>	Gen. Bt ▾	Gen. Bu ▾	Gen. Bus ▾	Gen. Bu ▾	Gen. Bu ▾	Gen. Bus ▾	Gen. Bus ▾	Gen. Bus ▾
Company	<input checked="" type="checkbox"/>	Compa ▾	Compar ▾	Company ▾	Compar ▾	Compar ▾	Company ▾	Compan ▾	Company ▾
Cost	<input type="checkbox"/>	Cost At ▾	Fixed Va ▾	Cost ▾	Cost ▾	Cost ▾	Fixed Val ▾	Cost ▾	Fixed Val ▾
Discount	<input type="checkbox"/>	Discou ▾	Fixed Va ▾	Discount ▾	Discoun ▾	Discoun ▾	Fixed Val ▾	Discount ▾	Fixed Val ▾
Document No	<input type="checkbox"/>	Docum ▾	Docume ▾	Documer ▾	Docume ▾	Docume ▾	Documer ▾	Documer ▾	Documer ▾
Document Type	<input type="checkbox"/>	Docum ▾	Docume ▾	Documer ▾	Docume ▾	Docume ▾	Documer ▾	Documer ▾	Documer ▾
Entry No	<input type="checkbox"/>	Entry N ▾	▾	▾	▾	▾	▾	▾	▾
Global Dimension 1 Code	<input type="checkbox"/>	Global ▾	Shortcu ▾	Shortcut ▾	Shortcu ▾	Shortcu ▾	Shortcut ▾	Shortcut ▾	Shortcut ▾
Global Dimension 2 Code	<input type="checkbox"/>	Global ▾	Shortcu ▾	Shortcut ▾	Shortcu ▾	Shortcu ▾	Shortcut ▾	Shortcut ▾	Shortcut ▾



- 
- 
- 
- 
- 
- 
- 
- 
- 



Reports

Show All Reports

- Reporting
- Reports
- Power BI
- Data Management
- Administration

_GM_static file test 1

Info icon, More icon

_TM_Open Sales Order Summary (by company)

Info icon, Play icon, Refresh icon, More icon

_TM_Sales by Salesperson Summary (by company)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Detail by Company (Current)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Detail by Company (Historical)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Summary by Company (Current)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Summary by Company (Historical)

Info icon, Play icon, Refresh icon, More icon

Accounts Receivable Detail by Company (Current)

Info icon, Play icon, Refresh icon, More icon

Accounts Receivable Detail by Company (Historical)

Info icon, Play icon, Refresh icon, More icon

Accounts Receivable Summary by Company (Current)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Summary by Company (Historical)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Summary by Company (Current)

Info icon, Play icon, Refresh icon, More icon

Accounts Receivable Summary by Company (Historical)

Info icon, Play icon, Refresh icon, More icon

Accounts Receivable Summary by Company (Current)

Info icon, Play icon, Refresh icon, More icon

Accounts Payable Summary by Company (Current)

Info icon, Play icon, Refresh icon, More icon

New Scheduled Run ✎ ✕

Schedule

Enabled Weekly Monthly

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

Hour: 6 Minute: 00 AM/PM: AM Time Zone: London

Report Options

Date Range Enabled

Email

To: connor.bonehill@tecmandemos.co.uk, george.murcott@tecmandemos.co.uk, george.murcott@tecman.co.uk

Subject: Vendor report - demo (Reporting The Retro Stop)

Demo schedule of the Vendor monthly report

Configurations

Drilldown

Send Failure Notifications

Failure notification recipients: connor.bonehill@tecmandemos.co.uk, george.murcott@tecman.co.uk

New Scheduled Run ✎ ✕

Schedule

Enabled Weekly Monthly

1 2 3 4 5 6 7 **SELECT ALL**

8 9 10 11 12 13 14

15 16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 Last Day of Month

Hour: 6 Minute: 00 AM/PM: AM

Nice little touches

Vendor Purchase Summary by Month

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
...

(Note: The table content is partially obscured and contains placeholder text.)

Bottom navigation: [Info] [Play] [Refresh] [Clock with '1'] [More]

technology Outlook

Q Search

Home View Help

1/2 Reporting Catch Up in 23 min Microsoft Teams Mee...

New Ignore Block Delete Archive Report Reply Reply all Forward Meeting Schedule with Copilot Sweep Move Rules Quick steps Read / Categorize Unread Flag Pin Snooze Policy Print Discover groups Undo

Inbox ★

Cosmos Scheduler
Vendor report - demo (Reporting T... 06:01
Demo schedule of the Vendor monthly report

Vendor report - demo (Reporting The Retro Stop)

Vendor ...Month.xlsx

Summary by Copilot

CS Cosmos Scheduler <scheduler@cosmosdatatech.com>
To: George Murcott
Fri 2024-10-04 06:01

Vendor Purchase Summary by ...
39 KB

Demo schedule of the Vendor monthly report

Reply Forward

- Report output sent to any email
- No need for Lite user licence

TM_Open Sales Order Summary (by company) - TEMPLATE

Search for tools, help, and more (Alt + Q)

File Home Insert Share Page Layout Formulas Data Review View Automate Help Draw Cosmos Authoring

Comments Catch up Editing Share

Task Pane Settings Help

General

A7

Open Sales Order Summary (by company)									
Salesperson Code	Name	Sales Order No	Customer No	Name	Posting Date	# of Lines	Sales Order Amount	Outstanding Amount	
Salesperson Code	Salesperson Name	Document No	Sell-to Customer No	Customer Name	1/1/1900	-	-	-	
Subtotal for Salesperson Name								-	-
Report Total								-	-

tecman

- Range Lists = NL Rows in 'Jet speak'
- Grouping reports used them nested

Cosmos Excel Add-In

Range Lists

NEW SETS COPY PASTE

Name Salesperson Code SELECT EDIT DELETE

General Data Filters Sorts

Name Document No SELECT EDIT DELETE

General Data Filters Sorts

Workbook Statistics

Average: 0.16666667 Count: 12 Sum: 1 100%

TM_Open Sales Order Summary (by company) - TEMPLATE

Search for tools, help, and more (Alt + Q)

File Home Insert Share Page Layout Formulas Data Review View Automate Help Draw Cosmos Authoring

Task Pane Settings Help

General

A7

Open Sales Order Summary (by company)									
Salesperson Code	Name	Sales Order No	Customer No	Name	Posting Date	# of Lines	Sales Order Amount	Outstanding Amount	
Salesperson Code	Salesperson Name	Document No	Sell-to Customer No	Customer Name	1/1/1900	-	-	-	
Subtotal for Salesperson Name								-	-
Report Total								-	-

Cosmos Excel Add-In

Range Lists

NEW SETS COPY PASTE

Name Salesperson Code SELECT EDIT DELETE

General Data Filters Sorts

Name Document No SELECT EDIT DELETE

General Data Filters Sorts

Report

Workbook Statistics

Average: 0.25 Count: 7 Sum: 1 100%

- 'Inner' Range List inherits filters from the outer as well as main report Options
- Delivers field info via Field Lookups (NF in 'Jet speak')

Microsoft Excel interface showing the Cosmos Excel Add-In. The main window displays a report titled "Open Sales Order Summary (by company)" with columns for Salesperson Code, Name, Sales Order No, Customer No, Name, Posting Date, # of Lines, Sales Order Amount, and Outstanding Amount. The formula bar shows the Cosmos aggregate function: `{=COSMOS.AGGREGATE("__ID_6238c9b850064380a8917f3f5d3a408f")}`.

The Cosmos Excel Add-In panel is open on the right, showing the "Aggregates" section. It includes a "NEW" button and options for "COPY" and "PASTE". Below the "Aggregates" section, there is a "Filters" section with a list of filters. A yellow arrow points from the text box to the "Dynamic" filter for "Salesperson Code".

Salesperson Code	Name	Sales Order No	Customer No	Name	Posting Date	# of Lines	Sales Order Amount	Outstanding Amount	
Salesperson Code	Salesperson Name	Document No	Sell-to Customer No	Customer Name	1/1/1900	-	-	-	
Subtotal for Salesperson Name								-	-
Report Total								-	-

- Aggregates inherits filters from Range List(s)
- More can be added

- Reporting
- Reports
- Power BI
- Data Management
- Administration

Search NEW REPORT

Workspace

No reports are checked out for editing.

Reports

Show All Reports

_GM_static file test 1

_TM_Open Sales Order Summary (by company)

_TM_Sales by Salesperson Summary (by company)

Accounts Payable

Accounts Payable

Accounts Payable

Report Runs

- ✔

_TM_Open Sales Order Summary (by compa...
 - Activities
^
 - ✔
CRONUS UK Ltd.
 - ✔
Reporting Demo The Retro Stop
 - ✔
Reporting The Retro Stop
 - ✔
Collating worksheets
 - ✔
Finalizing report
- Drilldown
- OPEN
OPEN IN EXCEL DESKTOP

Drilldown

618675

Open Sales Order Summary (by company)									
Salesperson Code	Name	Sales Order No	Customer No	Name	Posting Date	# of Lines	Sales Order Amount	Outstanding Amount	
		SO001129	CU0000022	Thursday Ltd	5/2/2024	1	5.35	5.35	
		SO001144	CU0000028	Florette Ltd	6/4/2024	3	2,607.40	2,607.40	
		SO001145	CU0000029	Tubeform Ltd	6/4/2024	3	2,602.44	2,602.44	
		SO001146	CU0000030	L S Manufacturing UK Ltd	6/4/2024	3	2,607.40	2,607.40	
		SO001147	CU0000031	Complex Cold Forming Ltd	6/4/2024	2	7,909.00	7,909.00	
		Subtotal for					15,731.59	15,731.59	
JJ	John Jameson								
		SO001118	4007	The Game Shop	4/23/2024	2	18.36	18.36	
		SO001119	4007	The Game Shop	4/23/2024	2	18.36	18.36	
		SO001120	4007	The Game Shop	4/23/2024	2	18.36	18.36	
		SO001121	4005	Archies Gift Shop	4/23/2024	1	918.00	918.00	
		SO001122	4005	Archies Gift Shop	4/23/2024	1	535.00	535.00	
		SO001123	4005	Archies Gift Shop	4/23/2024	2	2,648.75	2,648.75	
		SO001124	4005	Archies Gift Shop	4/23/2024	1	5.95	5.95	
		SO001125	4007	The Game Shop	4/25/2024	2	2,559.50	2,559.50	
		SO001131	4004	Giftys	5/23/2024	1	7,648.00	7,648.00	
		SO001135	4007	The Game Shop	5/28/2024	1	7,785.00	7,785.00	
		SO001138	4005	Archies Gift Shop	5/30/2024	2	5,243.50	5,243.50	
		SO001139	4028	Hobby Shop	5/30/2024	2	5,284.16	5,284.16	
		SO001140	4009	Gifts & Stuff	5/30/2024	1	70.62	70.62	
		SO001142	4009	Gifts & Stuff	6/4/2024	1	5,000.00	5,000.00	
		SO001148	4012	Cotswolds Gift Shop Limited	6/6/2024	2	2,595.00	2,595.00	
		SO001149	4012	Cotswolds Gift Shop Limited	6/6/2024	7	618,675.00	618,675.00	
		SO001150	4000	The Jigsaw Store	6/6/2024	4	125.20	125.20	
		SO001151	4000	The Jigsaw Store	6/6/2024	4	125.20	125.20	

Cosmos Excel Add-In

Drilldown

Name
Sales Order Amount

- General
- Data
- Filters

Running drilldown report.

File Home Insert Share Page Layout Formulas Data Review View Automate Help Draw Cosmos

Comments Catch up Editing Share

Paste Copy Format Painter
 Font: Calibri (Body) 11 Bold Italic Underline Text Color Background Color
 Alignment: Wrap Text Merge & Center
 Number: General
 Styles: Conditional Formatting Format As Table Cell Styles
 Cells: Insert Delete Format
 Editing: AutoSum Clear Sort & Find & Filter Add-ins

Record ID	Bill-to Customer No	Business Posting Group	Company	Document No	Document Type	Global Dimension 1 Code	Global Dimension 2 Code	Inventory Posting Group	Line Type	Location Code	No	Order Cost	Order Discount	Order
70	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order				FINISHED	Item	BIR	4006	124500	0	
71	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order				FINISHED	Item	BIR	4003	97500	0	
72	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order				FINISHED	Item	BIR	4000	60000	0	
73	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order			GLOBES	FINISHED	Item	BIR	2010	7946.95	0	
74	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order				RAW MAT	Item	BIR	9020	8500	0	
75	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order			GLOBES	FINISHED	Item	BIR	2014	7940.025	0	
76	4012 DOMESTIC	Reporting The Retro Stop	SO001149	Order				FINISHED	Item	BIR	4002	97500	0	

Customer Sales Summary by Month - TEMPLATE

Search for tools, help, and more (Alt + Q)

File Home Insert Share Page Layout Formulas Data Review View Automate Help Draw **Cosmos** Authoring

Task Pane Settings Help

General

D15

Customer No	Name	Salesperson Cc	Month Year	Total Sales
Sell-to Custom	Customer Narr	Salesperson N:	-	-
Report Total			-	-

Report Options

NEW SETS COPY PASTE

Name Date Range WRITE EDIT

General

Use Defaults Enabled By Default

Field Date Operator Between

01/01/2023 31/12/2024

Data Filters Sorts

Report Options Excel Links Sheet Lists Range Lists Table Filters Aggregates Field Lookups Diagnostics

- Simplified toolset but powerful
- Report Options allow defaults

Report +

https://excel.cosmosdatatech.com/v2/index.html?et=#/Authoring/ReportOptions

Task Settings Help
General

A7 {=COSMOS.FIELD("6fd9cae4-12ff-4b0c-9f10-3563bf13893e", "936669b2-b1ba-4427-bcbf-475d311a0f69")}

Customer Sales Summary by Month				
For the Period of January 1, 2022 through June 30, 2				
Customer No	Name	Salesperson Code	Month Year	Total Sales
Sell-to Custom	Customer Name	Salesperson Name	-	-
Report Total			-	-

- Matrix report uses a Range List for the Rows from one table

Cosmos Excel Add-In

Range Lists

NEW SETS COPY PASTE

Name	SELECT	EDIT	DELETE
Sell-to Customer No			

General Data

Table: Sales Transactions Field: Sell-to Customer No

Set: Sell-to Customer No

Limit

Filters Sorts

Task Pane Settings Help General

Customer Sales Summary by Month				
For the Period of January 1, 2022 through June 30, 2022				
Customer No	Name	Salesperson Code	Month Year	Total Sales
Sell-to Custom	Customer Name	Salesperson Name	-	-
Report Total			-	-

• And another Range List for the Columns from another table

Cosmos Excel Add-In

Range Lists

NEW SETS COPY PASTE

Name	SELECT	EDIT	DELETE
Sell-to Customer No			
General			
Data			
Filters			
Sorts			

Name	SELECT	EDIT	DELETE
Month Year			
General			
Data			
Table			
Date			
Field			
Month Year			

Set Month Year

Task Settings Help
General

D7 {=COSMOS.AGGREGATE("__ID_593ca924358b46a8b95ad430f51aa01a")}

Customer No	Name	Salesperson Code	Month Year	Total Sales
Sell-to Custom	Customer Name	Salesperson Name	-	-
Report Total				-

• The Aggregate is where they intersect, inheriting the filters

Cosmos Excel Add-In

Aggregates

NEW COPY PASTE

Name Sales WRITE COPY EDIT DELETE

Filters

Group Operator And ADD FILTER ADD TABLE FILTER

Field	Operator	
Sell-to Customer No	=	+ -
Dynamic		Sell-to Customer No X
Field	Operator	
Date → Month Year	=	+ -
Dynamic		Month Year X





File Home Insert Share Page Layout Formulas Data Review View Automate Help Draw Cosmos

Clipboard: Paste, Copy, Format Painter

Font: Calibri, 11, Bold, Italic, Underline, Text Color, Background Color

Alignment: Wrap Text, Merge & Center

Number: Accounting, Currency, Percentage, Thousand Separator, Decimal Places

Styles: Conditional Formatting, Format As Table, Cell Styles

Cells: Insert, Delete, Format

Editing: AutoSum, Clear, Sort & Filter, Find & Select, Add-ins

111 89938.33

A B C D E F G H I J K L M N O

Customer Sales Summary by Month														
For the Period of January 1, 2023 through December 31, 2024														
Customer No	Name	Salesperson Code	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
7	1000 Argos Ltd		76,248.28	30,985.20	74,196.70	215,741.55	122,223.12	91,596.17	112,807.56	117,857.11	231,160.43	164,272.15	252,027.81	91,596.17
8	1001 Great Gifts		59,027.60	31,031.60	194,274.42	122,219.40	77,085.15	89,706.95	27,856.88	117,690.42	118,318.00	174,030.70	236,084.54	52,027.60
9	1002 Giftys		7,952.56	6,574.05	6,012.80	8,818.35	10,205.88	9,444.85	4,257.95	6,170.03	6,778.00	3,317.80	4,571.24	7,952.56
10	1003 The Station Shop		2,632.42	4,166.28	4,317.30	4,558.92	2,972.85	1,768.03	4,128.59	4,041.88	3,123.70	4,246.47	3,997.11	4,246.47
11	1004 The Gift Shop Limited		148.80	93,255.13	54,622.60	109,604.88	109,689.64	89,938.33	125.95	77,332.55	55,636.42	48,503.18	-	46,248.28
12	1005 The Game Shop		341.89	130,097.49	55,610.62	42,801.82	-	-	70,328.33	284.50	109,323.59	64,164.57	83,256.06	-
13	1006 Dublin Games		145.31	270.62	6,223.21	191.47	9,399.16	2,771.94	430.62	265.08	57.22	54.18	125.00	-
14	1007 Gifts & Stuff		12.40	24.80	-	11.16	18.60	-	24.80	-	40.92	12.40	156.00	-
15	1010 Tesco Stores Limited	Samuel Johnstone	-	-	-	-	-	-	3,485.65	5,885.04	3,959.80	-	-	-
16	1020 WM Morrisons Supermarkets	Samuel Johnstone	-	-	-	-	-	-	-	-	5,319.29	-	-	-
17	1030 Argos Ltd	Samuel Johnstone	-	-	-	-	-	-	1,155.42	3,569.18	3,937.06	-	-	-
18	1040 Smyths Toys	Samuel Johnstone	-	-	-	-	-	1,288.44	8,419.17	415.80	-	-	-	-
19	1050 Argos UK	Kim Whitehead	-	-	-	-	-	849.94	6,200.38	1,987.12	962.01	-	-	-
20	4000 The Jigsaw Store	John Jameson	904.88	375.06	2,123.81	17.12	-	-	4,711.54	15,613.18	2,481.98	-	-	-
21	4001 Jigsaws R'Us	John Jameson	612.05	751.10	1,238.67	898.67	-	2,520.70	4,817.62	5,330.00	-	-	-	-
22	4002 Pieces	John Jameson	1,686.23	1,098.85	750.34	193.92	-	-	1,969.10	6,994.92	-	-	-	-
23	4003 The Gift Shop Limited	John Jameson	1,172.26	818.80	614.23	205.54	-	10,354.74	-	12,550.40	9,797.72	-	-	-
24	4004 Giftys	John Jameson	1,880.39	456.92	1,221.77	-	-	-	3,496.80	713.46	-	-	-	-
25	4005 Archies Gift Shop	John Jameson	911.62	1,556.21	1,460.15	198.72	-	5,651.66	1,285.16	6,960.22	3,890.70	-	-	-
26	4006 Williams' Newsagents	Kim Whitehead	1,015.95	700.62	690.30	154.16	-	-	12,186.76	6,398.02	7,873.44	-	-	-
27	4007 The Game Shop	John Jameson	1,243.14	128.60	592.40	806.86	-	2,872.00	2,430.80	8,061.58	6,288.10	-	-	-
28	4008 The Little Gift Shop	Kim Whitehead	1,168.73	1,530.87	495.36	248.48	-	7,187.38	1,833.98	6,162.86	5,029.02	-	-	-
29	4009 Gifts & Stuff	John Jameson	1,007.78	1,700.46	776.77	79.96	-	12,739.44	12,320.90	-	11,157.90	-	-	-
30	4010 The Lake District Gift Shop	John Jameson	823.83	471.38	492.85	847.50	-	4,349.16	-	7,276.96	4,298.36	-	-	-
31	4011 Cumbria Gifts	John Jameson	980.97	1,058.22	864.30	166.56	-	-	3,437.22	-	10,877.46	-	-	-
32	4012 Cotswolds Gift Shop Limited	John Jameson	454.77	874.71	1,104.48	325.60	-	4,380.54	-	3,739.26	6,485.26	-	-	-
33	4013 Pembrokeshire Gifts	John Jameson	840.13	847.23	1,562.74	97.92	-	471.38	1,528.88	4,415.56	3,613.46	-	-	-
34	4014 Re-Gift	John Jameson	736.44	614.78	836.13	448.12	-	145.52	14,347.78	1,487.64	3,574.52	-	-	-
35	4015 Ye Olde Curiosity Shop	John Jameson	638.63	1,770.47	841.38	599.92	-	-	12,063.08	8,309.72	9,717.84	-	-	-
36	4016 Jones's Gifts	Samuel Johnstone	804.49	1,137.54	818.49	132.68	-	3,041.92	9,858.46	3,704.08	3,856.54	-	-	-
37	4017 Great Gifts	John Jameson	451.62	490.95	994.95	59.19	-	-	1,269.70	5,967.95	761.94	-	-	-

Drawing it all together

So, which is best?

- Depends on your platform
- Not mutually exclusive

COSMOS



Jet Reports

from insightsoftware



Thank you.

BUSINESS CENTRAL

connect

15th & 16th OCTOBER 2024

