

Business Performance Analytics (BPA)

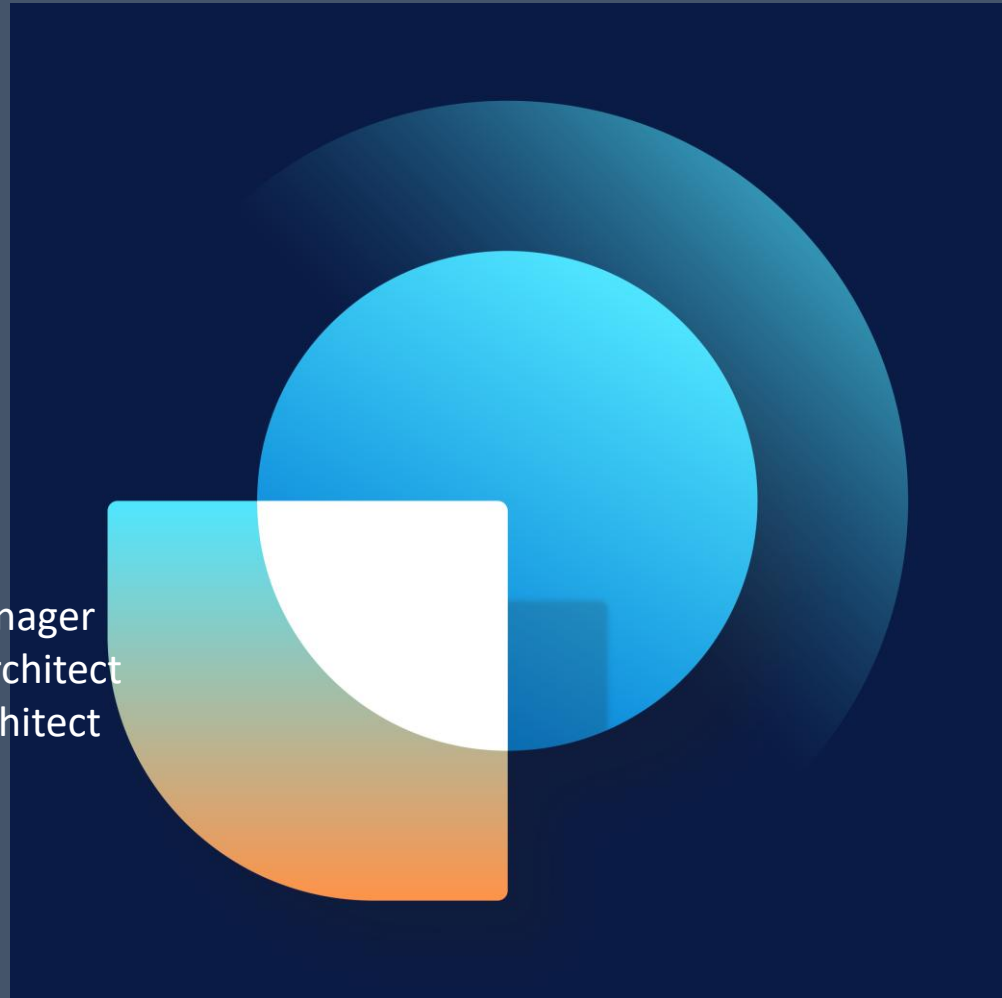
Presenters:

Jinnie Wong – Principal Product Manager

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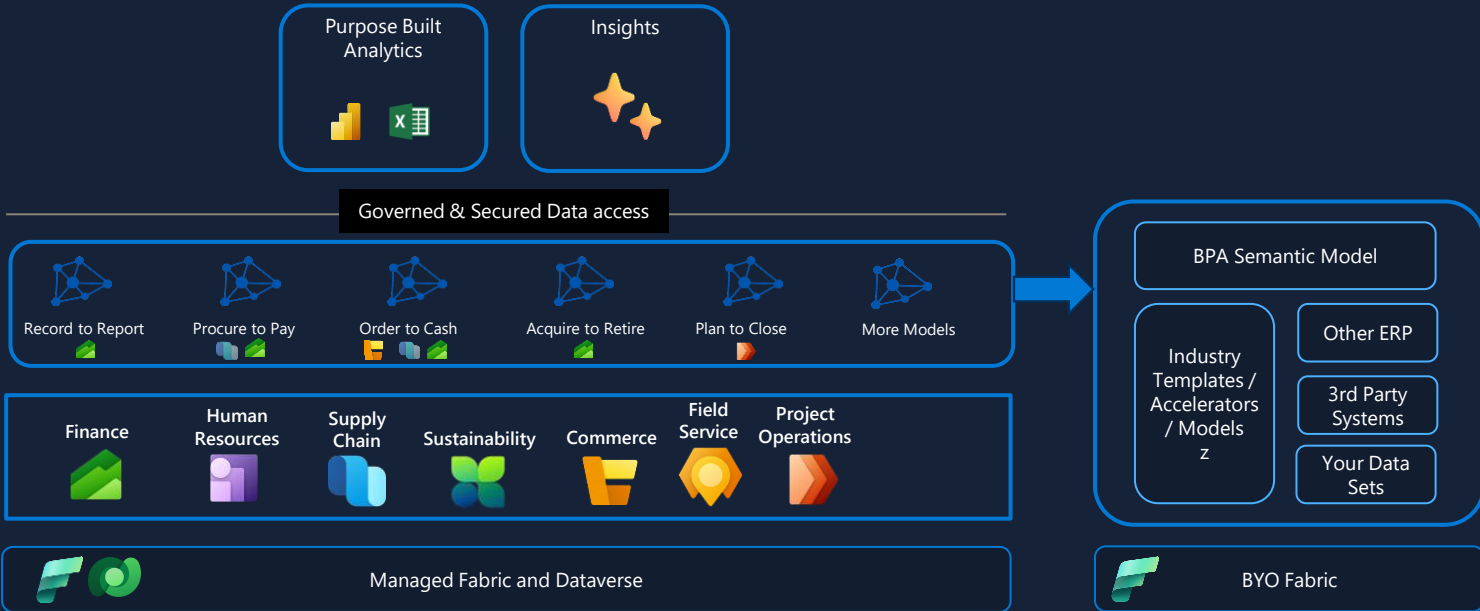


Agenda

- BPA positioning & why it matters
- New & enhanced capabilities
- Data model update
- Out-of-the-box and extended finance reports
- Using MCP with BPA
- Cost and Licensing
- How to go deeper resources
- Q&A and wrap up

Business performance analytics

Turn data into action to improve business performance



Raw transactions

What is Business performance analytics?

Analytics solution built into Dynamics 365 Finance

What is BPA?

Business performance analytics (BPA) is an analytics product built on Microsoft Power Platform. It transforms raw transactional data from Dynamics 365 Finance into optimized analytical datasets, enabling faster insights without complex system integrations.

Record-to-Report

Financial data, P&L, Budgets

Procure-to-Pay

Purchase orders, vendor mgmt

Order-to-Cash

Sales orders, invoicing, receivables

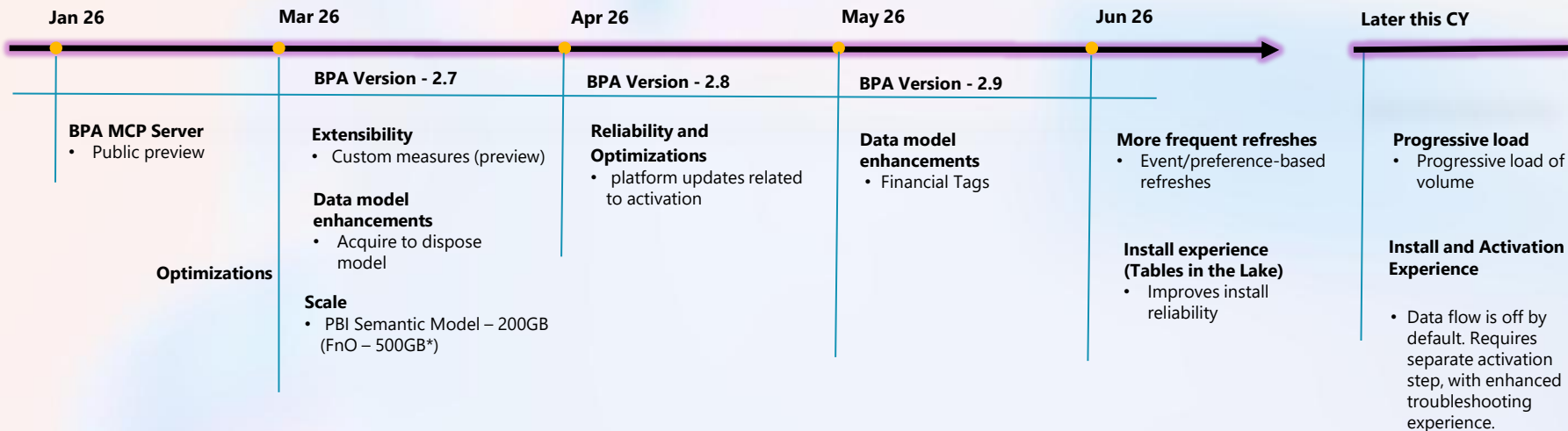
Key Facts

Included in	D365 Finance license (no extra cost)
Platform	Microsoft Power Platform + Dataverse
Min version	D365 Finance 10.0.38 (App v10.0.1777.94+)
Environment	Tier-2 (multi-box) required
Refresh rate	Twice daily (12-hour intervals)
Language	English (EN-US) initial release

Installation Roadmap — 6 Phases



Roadmap



On roadmap




- Custom column extensibility
- Direct lake support
- Reporting Hub monitoring enhancements
- Install by default

Release dates are subject to change.

What's New: Power BI Visual Calculations

A DAX calculation defined and executed directly on a visual — not stored in the data model.

Visual calculations combine the simplicity of calculated columns with the flexibility of measures. They operate on aggregated data, remove filter context complexity, and enable common patterns like running sums, moving averages, and percent-of-parent — with far simpler DAX.

-  Stored on the visual, not the model
-  Better performance on aggregated data
-  Can reference columns, measures & other visual calcs

Capabilities (Preview)

Limited Visual Support

Not all visual types supported; custom visuals untested.

No Filtering

You cannot filter on visual calculations.

No Self-Reference

Cannot refer to itself at the same or different detail level.

No Dashboard Pinning

Visuals using visual calculations cannot be pinned to a dashboard.

No Copy / Paste Reuse

Reuse via copy/paste or other mechanisms is unavailable.

No Personalization

Personalization of visual calculations or hidden fields is unavailable.

Visual-Scoped Only

Can only reference data within the same visual — no cross-visual references.

What's New: Extensibility - Custom measure

Setup

- BPA 2.7 installed
- Install PowerBI Desktop
- BPA Admin Role assigned

Prepare dataset

- Download BPA semantic model
- Open BPA semantic model in Power BI Desktop
- Edit Parameters (set CDS org, date)
note: keep date range small

Author and publish

- Create a custom measure in relevant fact table
- Validate new measure
- Save PowerBI desktop as "pbip"
- Upload the fact table definition (saved as tmdl*)
- Git for version control (optional)
- Edit report – select your custom measure

tmdl – tabular model definition language

BPA — Data Models by Value Chain

Business processes modeled in BPA Semantic Model = Modeled = Planned

Acquire to Dispose

- Record fixed asset acquisitions
- Record asset lease right-of-use
- Depreciate assets
- Transfer assets
- Improve assets
- Scrap an asset
- Sell an asset
- Replace an asset
- Retire assets
- Decommission assets

10 / 10
modeled

Design to Retire

- Process change requests
- Process change orders
- Update product assortments
- Dispose of obsolete inventory

0 / 4
modeled

Hire to Retire

- Record employee absences
- Record employee time
- Request travel
- Pay employees
- Record life events

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modeled

Inventory to Deliver

- Process inventory movements
- Adjust inventory levels
- Receive goods
- Put away received goods
- Cross dock to outbound orders
- Quarantine received goods
- Allocate goods
- Release goods for picking
- Pick goods
- Pack goods
- Return goods to vendor
- Scrap defective inventory
- Schedule dock appointments
- Print shipping documentation
- Process freight invoices

0 / 15
modeled

Order to Cash

- Enter sales orders
- Process customer returns
- Cancel sales orders
- Allocate inventory to orders
- Issue sales invoices
- Issue customer credits
- Bill subscriptions
- Recognize revenue
- Process customer payments
- Process customer prepayments
- Process customer refunds
- Settle customer transactions
- Write off bad debt
- Monitor trade allowances
- Calculate sales commissions
- Collect interest

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modeled

Plan to Produce

- Develop production processes
- Correct production processes
- Consume materials
- Consume resources
- Subcontract production
- Record production costs
- Quarantine manufactured goods
- Inspect manufactured goods
- Record cost of quality
- Rework defective inventory
- Scrap defective production

0 / 11
modeled

Procure to Pay

- Raise purchase requisitions
- Issue purchase orders
- Issue blanket purchase orders
- Return goods to suppliers
- Process supplier invoices
- Dispute invoices
- Receive supplier credits
- Issue and settle supplier payments
- Cancel supplier payments
- Correct supplier payments
- Process supplier rebates

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modeled

Record to Report

- Transfer budgets
- Record ledger entries
- Record intercompany transactions
- Record cost accounting transactions
- Process allocations
- Record tax commitments
- Pay taxes
- Finalize and post transactions

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modeled

Quality Management

- Quality order processing
- Quality test results
- Nonconformance management
- Quarantine orders
- Corrective actions

5 / 5
modeled

ⓘ These business processes are representative of the types of business processes we consider when modelling. They are not indicative of what the actual facts and dimensions are.

Out-of-the-Box Reports

<input type="checkbox"/>	▼ Microsoft (15)				
<input type="checkbox"/>		Balance sheet	Microsoft	Power BI	3/27/2026 7:0...
<input type="checkbox"/>		Budget vs. actual	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Documentation	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Financial performance	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		General ledger dimension details	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		General ledger transaction details	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Profit and loss	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Purchase orders	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Sales aging	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Sales transaction details	Microsoft	Power BI	3/27/2026 7:0...
<input type="checkbox"/>		Trial balance	Microsoft	Power BI	3/26/2026 7:0...
<input type="checkbox"/>		Vendor aging	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Vendor invoices	Microsoft	Power BI	3/26/2026 7:0...
<input type="checkbox"/>		Vendor payments	Microsoft	Power BI	3/25/2026 7:0...
<input type="checkbox"/>		Vendor transaction details	Microsoft	Power BI	3/25/2026 7:0...

15 Standard Reports

Available out of the box · No configuration needed

- All reports are Microsoft-type (read-only)
- Powered by Microsoft Power BI
- Organized across 3 value chains

Duplicate any report to create a fully editable Custom copy

Record to Report Reports

● Balance Sheet	Financial position snapshot for the year, structured using account categories
● Budget vs Actual	Compares planned budget to actuals — highlights variances at a glance
● Documentation	Built-in guide within BPA covering report usage and navigation
● Financial Performance	In-depth KPIs: revenue, expenses, net income, and cash flow
● GL Dimension Details	Breaks GL down by dimensions for granular transaction insights
● GL Transaction Details	Comprehensive view of all recorded General Ledger transactions
● Profit & Loss	Summarizes revenues, costs, and expenses — overall profitability view
● Trial balance	Lists all general ledger account balances to verify debits equal credits before period-end close



i Reports are Microsoft-type — read-only. Duplicate to create a Custom type and make edits.


Procure to Pay Reports


● Purchase Orders	Order dates, supplier details, items ordered, and quantities
● Vendor Aging	Outstanding vendor invoices tracked by age — manage cash flow and relationships
● Vendor Invoices	All received vendor invoices: dates, amounts, payment status
● Vendor Payments	Payments made to vendors: dates, amounts, linked POs/invoices
● Vendor Transaction Details	Full view of all vendor activity: orders, invoices, payments, credits

i Reports are Microsoft-type — read-only. Duplicate to create a Custom type and make edits.

Order to Cash Reports & How to Navigate

- 
Sales Aging | Outstanding customer invoices by age — manage receivables
- 
Sales Transaction Details | Full sales detail: order dates, customer info, items sold, amounts

 *More Order to Cash reports are being incrementally released by Microsoft.*

 *Acquire to Dispose reports are coming soon*

HOW TO USE THE REPORTS

Slicers

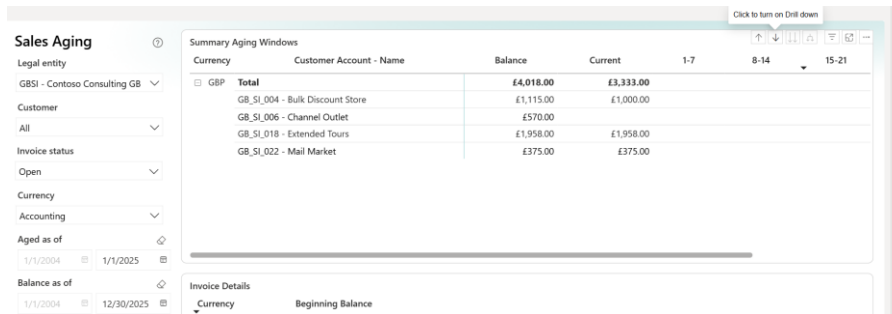
Filters directly on the report page for instant exploration of data by dimension, date, or entity.

Filter Pane

Open the filter pane to access deeper filter options across all pages of the report.

Drill-In

Hover over any table row — drill up or down through data hierarchies for deeper insights.



Sales Aging

Legal entity: GBSI - Contoso Consulting GB

Customer: All

Invoice status: Open

Currency: Accounting

Aged as of: 1/1/2004 to 1/1/2025

Balance as of: 1/1/2004 to 12/30/2025

Summary Aging Windows

Currency	Customer Account - Name	Balance	Current	1-7	8-14	15-21
GBP	Total	£4,018.00	£3,333.00			
	GB_SI_004 - Bulk Discount Store	£1,115.00	£1,000.00			
	GB_SI_005 - Channel Outlet	£570.00				
	GB_SI_018 - Extended Tours	£1,958.00	£1,958.00			
	GB_SI_022 - Mail Market	£375.00	£375.00			

Invoice Details: Currency Beginning Balance

The Documentation Report

A built-in reference tool — understand the BPA data model, table mappings, and measures

Bus matrix
Table mappings
Measures glossary

Bus matrix

Facts: All

Dimensions: All

Facts	Asset	Bank account	Buying party	Buying party delivery address	Buying party postal address	Currency	Date (Accounting)
Bank register		X					X
Bank statement		X					
Budget						X	X
General ledger						X	X
Packing slip			X	X			X
Picking list			X	X			
Product receipt						X	X
Purchase invoice	X					X	X
Purchase invoice matching							X
Purchase order						X	X
Purchase payment						X	X
Purchase payment matching						X	X
Purchase requisition							X
Purchase sub-ledger						X	X
Sales invoice			X				X
Sales order			X	X			
Sales payment		X	X			X	X
Sales payment matching			X			X	X
Sales sub-ledger			X			X	X
Service order			X		X		

This data model facilitates the mapping of relationships between facts and dimensions provided in Business Performance Analytics. Specifically it helps identifying:

1. The dimensions that are associated with a single fact table, providing a clear view of the attributes that can describe a specific business event or transaction.
2. The shared or conformed dimensions across multiple fact tables, enabling cohesive analysis across different business processes.
3. The relationships where multiple facts are aligned along the same dimensions, facilitating a unified view of disparate business metrics along common axes of analysis.

TAB 1 Bus Matrix

A visual grid mapping each Value Chain to its available BPA analytical tables — facts and dimensions.

Use it to:

- Understand what data is modelled for each business process
- Identify which facts (transactions) and dimensions (master data) exist
- Plan custom reports — confirm a dimension is available before building
- Onboard new team members to the BPA data model scope

TAB 2 Table Mappings

Maps every BPA analytical column to its source D365 F&O table and column name.

Use it to:

- Trace data lineage from BPA back to the F&O source table
- Resolve data discrepancies — find exactly which field feeds a BPA column
- Support custom report development and semantic model extensions
- Filter by Value Chain or Fact/Dimension type

TAB 3 Measures Glossary

A complete catalogue of all pre-built calculated measures in the BPA semantic model.

Use it to:

- Discover all available KPIs and metrics before building custom reports
- Understand measure definitions and their value chain context
- Avoid duplicating measures that already exist out of the box
- Reference measure names when writing DAX extensions

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Value Chain	BPA Analytical tables	BPA Analytical column name	Fact	BPI Data Name
Order to cash	dmo_bankregisterfact	dmo_change_type	-	
Order to cash	dmo_bankregisterfact	dmo_bankregistercorrectionamount	Fact -	bankaccounttrans_change_type
Order to cash	dmo_bankregisterfact	dmo_bankregistercounteramount	Fact -	bankaccounttrans_amountcorrect
Order to cash	dmo_bankregisterfact	dmo_bankregisteraccountingamount	Fact -	bankaccounttrans_amountcur
Order to cash	dmo_bankregisterfact	dmo_bankregisterreportingamount	Fact -	bankaccounttrans_amountmst
Order to cash	dmo_bankregisterfact	dmo_bankregisteramount	Fact -	bankaccounttrans_amountreportingcurrency
Order to cash	dmo_bankregisterfact	dmo_bankregistercurrency	Fact - Bank register.Currency	bankaccounttrans_banktransamountcur
Order to cash	dmo_bankregisterfact	dmo_bankregisterentrytype	Fact - Bank register.Entry type	bankaccounttrans_banktranscurrencycode
Order to cash	dmo_bankregisterfact	dmo_bankregistercancellationstatus	Fact - Bank register.Cancellation status	bankaccounttrans_banktranstype
Order to cash	dmo_bankregisterfact	dmo_bankregisterreferencenumber	-	bankaccounttrans_cancel
Order to cash	dmo_bankregisterfact	dmo_bankregistercleareddate	Fact - Bank register.Date (Cleared)	bankaccounttrans_chequenum
Order to cash	dmo_bankregisterfact	dmo_bankregistercreatedtimestamputc	Fact - Bank register.Created timestamp UTC	bankaccounttrans_cleareddate
Order to cash	dmo_bankregisterfact	dmo_bankregistercountercurrency	Fact - Bank register.Counter currency	bankaccounttrans_createdon
Order to cash	dmo_bankregisterfact	dmo.subledgernumberkey	Fact - Bank register.Subledger number key	bankaccounttrans_currencycode
Order to cash	dmo_bankregisterfact	dmo_bankregisterdepositslipnumber	Fact - Bank register.Deposit slip number	bankaccounttrans_dataareaid, bankaccounttrans_transdate, b
Order to cash	dmo_bankregisterfact	dmo_bankregisterclearedindicator	Fact - Bank register.Cleared indicator	bankaccounttrans_depositsum
Order to cash	dmo_bankregisterfact	dmo_bankregisterpaymentmethod	Fact - Bank register.Payment method	bankaccounttrans_included
Order to cash	dmo_bankregisterfact	dmo_bankregisterpaymentreferencenumber	Fact - Bank register.Payment reference number	bankaccounttrans_paymentmethod
Order to cash	dmo_bankregisterfact	dmo_bankregisterreconciledindicator	Fact - Bank register.Reconciled indicator	bankaccounttrans_paymentreferencenumber
Order to cash	dmo_bankregisterfact	dmo_accountingdate	-	bankaccounttrans_reconciled
Order to cash	dmo_bankregisterfact	dmo_bankregisterdescription	Fact - Bank register.Description	bankaccounttrans_reconciled
				bankaccounttrans_transdate
				bankaccounttrans_tx

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Measures glossary

Measures
All

The measures glossary is a structured inventory or catalog of the metrics and calculations used within BPA, organized by folder for ease of reference. Each entry in the glossary details a specific measure, including the actual formula or calculation method used.

Group	Folder	Name	Description
	.Metrics \Amou nt		Calculate the general ledger amount metric for a specific date and year.
	.Metrics \Amou nt		Calculate the general ledger amount metric for a specific fact and ledger type.
	.Metrics \Amou nt		IF the dimension is filtered, return the sales sub-ledger credit amount metric, or a blank value.
	.Metrics \Amou nt		IF the dimension is filtered, return the sales sub-ledger debit amount metric, or a blank value.
	.Metrics \Amou nt		IF the dimension is filtered, return the general ledger amount metric, or a blank value.
	.Metrics \Amou nt		General ledger amount (Year opening balance) metric + General ledger amount (Debit) metric + General ledger amount (Credit) metric
	.Metrics \Amou nt		Purchase invoice amount (Line charge) metric + Purchase invoice amount (Allocated charge) metric
	.Metrics \Amou nt		Purchase invoice amount (Line tax) metric + Purchase invoice amount (Allocated tax) metric
	.Metrics		Purchase invoice amount (Line) metric + Purchase invoice amount (Line charge) metric + Purchase invoice amount (Line tax) metric

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Excel-Type Reports in BPA

Familiar Excel experience — powered by the full BPA semantic model

WHY EXCEL REPORTS?

- Same full BPA dataset as Power BI — no separate exports needed
- Works in the Excel desktop app you already know
- Drag-and-drop PivotTable & PivotChart builder on top of BPA data
- Row-level security enforced automatically when shared with colleagues
- Save changes back to BPA — stays in sync across the team
- Ideal when finance teams prefer Excel over embedded Power BI visuals

HOW TO CREATE

- 1 Open BPA → Reports → click New report
- 2 Enter a name → set Report type to Excel → click Create
- 3 First time: install the BPA Excel add-in when prompted
- 4 Open the downloaded file → sign in with your BPA credentials
- 5 Drag fields into the PivotTable → format as needed
- 6 Save back via the Analytics tab → Save button on the BPA ribbon

TIP:

Do not rename the file before opening it for the first time — the suffix in the filename links it to the BPA dataset.

USE CASES

Month-end close

Custom GL groupings, comparisons across periods

Vendor spend analysis

Interactive slicers by supplier, category, or date range

Budget variance

Drill into cost centre variances with custom PivotChart layouts

Management packs

Executive-formatted layouts saved and shared within BPA

Audit & compliance

Controlled data access — recipients see only their permitted rows

Ad-hoc analysis

Finance teams build one-off reports without developer support

Prerequisites:

Excel Desktop 64-bit only · Current Channel Office updates required · Not supported on Mac or Excel Online

Vendor Invoice Financial Posting Details

Extending the BPA Vendor Invoices data model to surface GL voucher lines and financial dimensions — a real-world customer solution

Vendor Invoices

Legal entity: GBSI - Contoso Consulting GB

Vendor: All

Accounting Dates: 2/1/2023 to 9/13/2025

Status: All

Number Type: Scaled

Decimal Places: 2

Currcy	Legal entity	Name	Voucher ID	Invoice ID	Purchase order number	Invoice Due Date	Payment Status	Purchase Invoice amount
GBP	GBSI	Consumer Equipment	110000024	180005	00000238	1/31/2025	Unpaid	£20.00K
GBP	GBSI	Consumer Equipment	110000025	180006	00000239	2/4/2025	Partial	£1.10K
GBP	GBSI	Instruments and Parts Company	110000026	180007	MSDYN_UNKNOWN NS	2/4/2025	Unpaid	£2.50K
GBP	GBSI	Mail Market	110000027	INV20250514001	00000312	5/14/2025	Unpaid	£30.00K
GBP	GBSI	Instruments and Parts Company	120000000	180003	MSDYN_UNKNOWN NS	1/30/2025	Unpaid	-£2.50K
GBP	GBSI	Consumer Equipment	120000001	C80002	00000213	1/30/2025	Unpaid	-£2.50K
GBP	GBSI	Consumer Equipment	120000002	C80004	00000240	2/4/2025	Unpaid	-£2.50K
Total								91.68K

Currency	Account - Name	MAINACCOUNT	BUSINESSUNIT	DEPARTMENT	COSTCENTER	PROJECT	Amount	Amount (Accounting)	Amount (Reporting)	Voucher ID
GBP	605110 - Cleaning expense	605110	001	023			1,000.00	1,000.00	1,575.55	110000026
GBP	602200 - Training and personal development expense	602200	001	023			1,500.00	1,500.00	2,363.32	110000026
GBP	200100 - Accounts Payable - Domestic	200100	001	023			(2,500.00)	(2,500.00)	(3,938.87)	110000026

THE CHALLENGE

Customising standard report

The out-of-the-box Vendor Invoices report shows invoice summary data but does not expose the voucher accounting lines.

Finance teams could not see:

- Which GL accounts each invoice posted to
- Financial dimension values (Business Unit, Dept, Cost Centre, Project)
- Split posting lines per invoice

THE SOLUTION

Custom BPA report to top of OOB one

A custom report built on the BPA semantic model, combining two data model areas:

- Vendor invoice header data (dates, amounts, status, PO reference)
- Voucher accounting lines (Main Account, Business Unit, Department, Cost Centre, Project, amounts)

Drill-through from invoice summary to full GL posting detail — all within BPA.

BUSINESS VALUE

What finance teams can now do

- Reconcile vendor invoices to GL postings without leaving BPA
- Validate financial dimension coding at invoice entry
- Audit AP postings by cost centre, department, or project
- Reduce month-end close queries on invoice allocation

Built using the BPA Excel add-in — no developer, no Power BI Desktop required.

BPA Reconciliation after installation

THE BUSINESS CHALLENGE

Following Business Performance Analytics (BPA) deployment, finance users need assurance that data transferred and transformed between environments is complete and accurate.

OUR APPROACH

We reconciled trial balances between Production and Sandbox environments to confirm that all financial data has been correctly migrated and is ready for BPA analytics.

THE SOLUTION

Trial Balance Reconciliation is the industry-standard method to validate:

- ✓ Data completeness
- ✓ Data accuracy
- ✓ System integrity
- ✓ Transformation logic

OBJECTIVE

Provide finance users with confidence that BPA reports are based on accurate, complete source data.

Source Data



Transfer



Transform



Validate

Currency	Legal entity - Name	Account Categories	Year			2025				2026			
			Opening Balance	Debit	Credit	Closing Balance	Opening Balance	Debit	Credit	Closing Balance			
GBP	Total		£465.34K	-£465.34K		£0.00		£50.58K				£50.58K	
	GBSI - Contoso Consulting GB	Total	£465.34K	-£465.34K		£0.00		£50.58K				£50.58K	
		⊕ Cash	£30.00K	-\$30.24K		-\$235.00		-\$220.00				-\$220.00	
		⊕ Accounts Receivable	£3.33K			£3.33K		£1.38K				£1.38K	
		⊕ Inventory	£2.21K	-\$110.00		£2.10K		£2.10K				£2.10K	
		⊕ Prepaid Expenses	£4.22K	-\$4.22K		£0.00							
		⊕ Accumulated Depreciat...	£72.00K	-\$133.80K		-\$61.80K		-\$61.80K				-\$61.80K	
		⊕ Other Assets	£58.60K	-\$57.75K		£855.00							
		⊕ Accounts Payable	£43.27K	-\$96.80K		-\$53.53K		-\$2.10K				-\$2.10K	
		⊕ Taxes Payable		-\$138.00		-\$138.00							
		⊕ Retained Earnings						£111.22K				£111.22K	
		⊕ Sales				-\$2.07K		-\$2.07K					
		⊕ Cost of Goods Sold	£57.75K	-\$58.60K		-\$855.00							
		⊕ Selling Expense	£15.00			£15.00							
		⊕ Administrative Expense	£3.00K	-\$1.00K		£2.00K							
		⊕ Other Employee Expens...	£4.50K	-\$1.50K		£3.00K							
		⊕ Depreciation Expense	£61.80K			£61.80K							
		⊕ Other Expenses	£52.65K	-\$6.00K		£46.65K							
		⊕ Other Income				-\$130.00		-\$130.00					
		⊕ Gain or loss on asset di...	£72.00K	-\$73.00K		-\$1.00K							

Standard view 

Parameters

<input type="radio"/> MainAccount	Name	Opening b...	Debit	Credit	Closing balance Op
<input checked="" type="radio"/> 110110	Bank Account - USD	0.00	30,000.00	30,000.00	0.00
110150	Bank Account - GBP	0.00	0.00	220.00	-220.00
110180	Petty Cash	0.00	0.00	15.00	-15.00
130100	Accounts Receivable - Domestic	0.00	3,333.00	0.00	3,333.00
132190	Prepaid Other Expenses	0.00	4,220.00	4,220.00	0.00
140200	Finished Goods Inventory	0.00	2,210.00	110.00	2,100.00
180200	Accumulated Depreciation - Tang...	0.00	72,000.00	133,800.00	-61,800.00
180295	Other Assets	0.00	58,600.00	57,745.00	855.00
200100	Accounts Payable - Domestic	0.00	13,160.00	64,590.00	-51,430.00
200140	Accrued Purchases - Received No...	0.00	30,111.00	30,111.00	0.00
200190	Accrued Purchases	0.00	0.00	2,100.00	-2,100.00
222200	VAT Tax Payable	0.00	0.00	138.00	-138.00
401100	Product Sales	0.00	0.00	2,065.00	-2,065.00
403150	Miscellaneous Charges	0.00	0.00	130.00	-130.00
500150	Deferred COGS	0.00	57,745.00	58,600.00	-855.00
601200	Selling Expense	0.00	15.00	0.00	15.00
602200	Training and Personal Developme...	0.00	4,500.00	1,500.00	3,000.00
605110	Cleaning Expense	0.00	3,000.00	1,000.00	2,000.00
607200	Depreciation Expense - Tangible ...	0.00	61,800.00	0.00	61,800.00
618900	Miscellaneous Expense	0.00	52,650.00	6,000.00	46,650.00
801100	Gain & Loss - Disposal of Assets	0.00	72,000.00	73,000.00	-1,000.00
801500	Currency Adjustment Profits - Re...	0.00	0.00	0.00	0.00
999999	Error Account	0.00	0.00	0.00	0.00

Totals

Debit total	Credit total	Balance	Debit total - Reporting currency	Credit total - Reporting currency	Balance - Reporting currency
465,344.00	465,344.00	0.00	691,387.64	691,387.64	0.00

Reconciliation Methodology

Two Complementary Approaches

We employed two independent validation methods to ensure comprehensive data integrity verification:

APPROACH 1: AUTOMATED MCP AGENT RECONCILIATION

- Leverages AI-powered Model Context Protocol (MCP) agents
- Direct API integration with both environments
- Real-time data extraction and comparison
- Automated variance detection and reporting

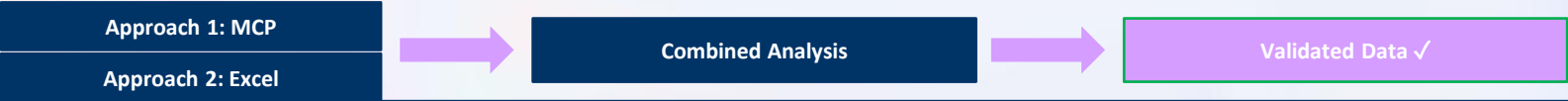
✓ 100% Automated ✓ Real-time validation
✓ Zero manual intervention ✓ Audit trail automatically generated

APPROACH 2: EXCEL-BASED BPA vs F&O COMPARISON

- Export BPA report to Excel
- Export F&O Trial Balance to Excel
- Manual side-by-side comparison
- Traditional reconciliation methodology
- Using Finance Agents in Excel

✓ User-friendly Excel interface ✓ Visual comparison capabilities
✓ Familiar to finance teams ✓ Flexible analysis options

VALIDATION FLOW



DUAL APPROACH BENEFITS	<ul style="list-style-type: none">• Cross-validation increases confidence• Automated + Manual verification ensures accuracy• Technical and business user perspectives• Comprehensive audit trail
-------------------------------	---

Automated Agent Reconciliation Scope and Approach

BPA

operations-finance.crm.dynamics.com

vs.

Finance and Operations

finance.sandbox.operations.dynamics.com

PARAMETERS

Parameter	Value
Company	GBSI
Period	January 1, 2025 – December 31, 2025
Posting Layer	Current
Total Accounts	23 Main Accounts
Transaction Volume	465,344.00 (Debit/Credit)

RECONCILIATION APPROACH

- Trial Balance Account-by-account comparison
- Opening balance verification
- Transaction-level validation (Debit/Credit)
- Closing balance confirmation
- Reporting currency cross-check

The screenshot shows the 'Reconciliation Assistant' interface. At the top, there is a navigation bar with 'Tools' selected. Below the navigation bar, there is a '+ Add a tool' button and a search bar labeled 'Search tools'. A filter button shows 'All' and 'Model Context Protocol (2)'. Below this is a table of tools with columns: Name, Type, Available to, Trigger, Last modified, Errors, Blocked, and Enabled. Two tools are listed: 'Dynamics 365 ERP Analytics MCP (Preview)' and 'Dynamics 365 ERP MCP', both using 'Model Context Protocol' and 'By agent' triggers, and both are enabled.

Name	Type	Available to	Trigger	Last modified	Errors	Blocked	Enabled
Dynamics 365 ERP Analytics MCP (Preview)	Model Context Protocol	Reconciliat	By agent	Veselina Eneva 2 days a...			On
Dynamics 365 ERP MCP	Model Context Protocol	Reconciliat	By agent	Veselina Eneva 2 days a...			On

Financial Totals Comparison

ACCOUNTING CURRENCY (GBP)

Metric	Environment 1	Environment 2	Variance	Status
Opening Balance	0.00	0.00	0.00	✓
Total Debits	465,344.00	465,344.00	0.00	✓
Total Credits	465,344.00	465,344.00	0.00	✓
Closing Balance	0.00	0.00	0.00	✓
Net Balance	0.00	0.00	0.00	✓

REPORTING CURRENCY (EUR)

Metric	Environment 1	Environment 2	Variance	Status
Total Debits	691,387.64	691,387.64	0.00	✓
Total Credits	691,387.64	691,387.64	0.00	✓
Net Balance	0.00	0.00	0.00	✓



What would you like to build?

Agent

Workflow

Start building by describing what your agent needs to do



Start building from scratch



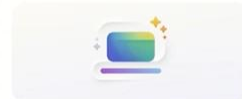
Create workflow

Powerful automations speed up your processes with ease and security in mind



Create an agent

Flexible solutions that take action, share knowledge, and handle tasks






Create computer-using agent

Let agents accomplish even more across apps and websites

Recent agents

[See all agents](#)

Name	Type	Last modified	Last published	Owner	Protection status
 Reconciliation Assistant	Agent	# Microsoft Co...	Never	Veselina Eneva	--
 Variance Analysis (Preview)	Agent	# Microsoft Co...	1 month ago	Haytham #	 Protected

Reconciliation Assistant

Excel-based BPA vs F&O comparison

Dynamics 365 Business performance analytics

Search

Lightbulb + Copilot VE

← Focused view Show Chart + New report Refresh Share


All reports* Edit columns Edit filters Filter by keyword

<input type="checkbox"/>	Name ↑	Type	File type	Last edited	Shared	Owner
<input type="checkbox"/>	Balance sheet (1)	Custom	Power BI	9/3/2025 7:01 AM	Private	Veselina Eneva
<input type="checkbox"/>	Balance sheet (5)	Custom	Power BI	12/14/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Financial performance (1)	Custom	Power BI	9/3/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	General ledger dimension details (4)	Custom	Power BI	12/15/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	General ledger transaction details (1)	Custom	Power BI	9/4/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Purchase orders (1)	Custom	Power BI	9/3/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Purchase orders (2)	Custom	Power BI	9/3/2025 7:01 AM	Private	Veselina Eneva
<input type="checkbox"/>	Sales aging_VE	Custom	Power BI	12/13/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Sales transaction details (1)	Custom	Power BI	9/3/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Trial balance (2)	Custom	Power BI	4/1/2026 1:43 PM	Private	Veselina Eneva
<input type="checkbox"/>	Trial balance VE 2	Custom	Power BI	9/5/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Trial balance VE_3	Custom	Power BI	9/5/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Trial balance_VE	Custom	Power BI	9/4/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	VE_Excel	Custom	Excel	7/9/2024 12:52 PM	Private	Veselina Eneva
<input type="checkbox"/>	VE_Excel 02	Custom	Excel	2/13/2025 2:46 PM	Private	Veselina Eneva
<input type="checkbox"/>	VE_play	Custom	Power BI	9/3/2025 7:01 AM	Private	Veselina Eneva
<input type="checkbox"/>	VE_TB 2026	Custom	Excel	4/1/2026 12:54 PM	Private	Veselina Eneva
<input type="checkbox"/>	Vendor aging (1)	Custom	Power BI	9/5/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Vendor invoices (5)	Custom	Power BI	12/14/2025 7:00 AM	Private	Veselina Eneva
<input type="checkbox"/>	Vendor transaction details (1)	Custom	Power BI	9/3/2025 7:00 AM	Private	Veselina Eneva


Rows: 20

Enabling Agentic Intelligence with BPA


User-led Analysis

 Excel and Power BI

Copilot Assisted Analysis

 M365 Copilot Analyst agent


Autonomous Analysis


 LLM Reasoning & Code Execution


 ERP Analytics MCP Server


Context-rich value-stream data with row-level security


BPA Dimensional Models


 Record to Report

 Procure to Pay

 Order to Cash

 Acquire to Retire


 Plan to Close


 More Models


BYO Fabric


Raw transactions


Dynamics 365 ERP Apps


 Finance


 Human Resources

 Supply Chain

 Sustainability

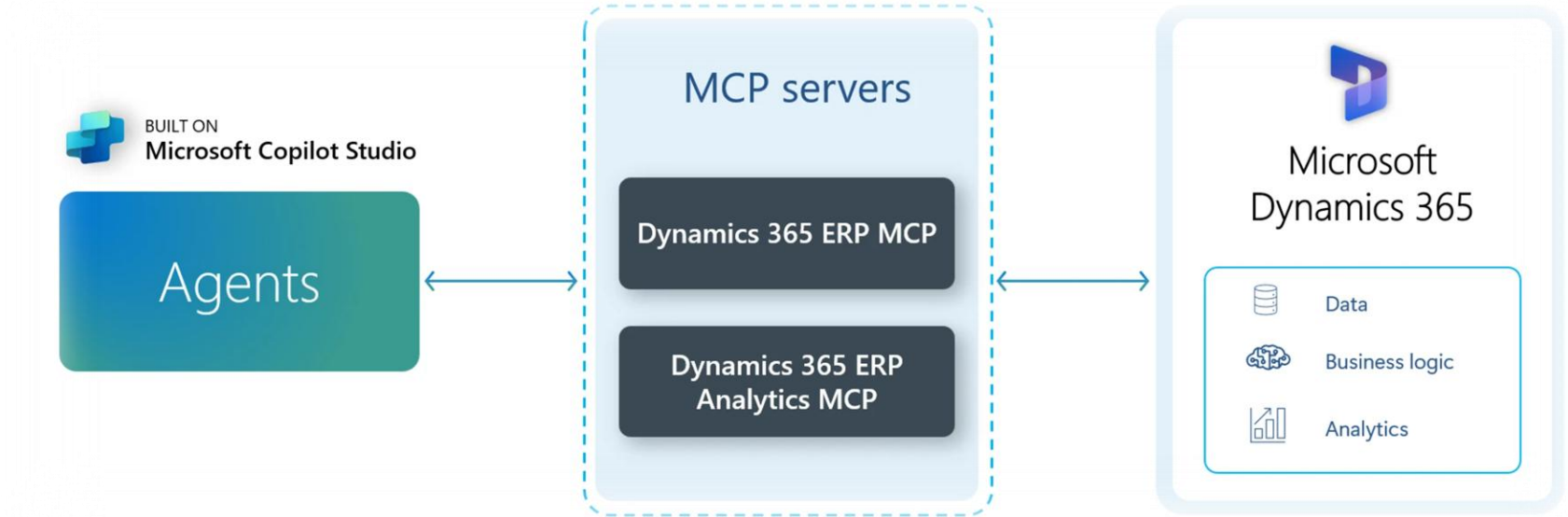
 Commerce

 Field Service

 Project Operations

People + Copilot + Agents

Dynamics 365 ERP MCP Servers



D365 ERP MCP: Act through the UI to trigger business logic and follow standardized processes

ERP Analytics MCP: Tap into pre-structured analytical data to uncover insights and measure performance trends

Analytics MCP - Available Tools Today

<i>Tool</i>	<i>What it does</i>
get_bpa_dataset-schema	Retrieves the schema of dimensional models, including tables, columns, measures, and relationships from your BPA environment
execute_dax_query	Executes DAX (Data Analysis Expressions) queries against your BPA data with automatic row-level security enforcement

Combining with Dynamics 365 ERP MCP

Dynamics 365 ERP Analytics MCP works alongside the [Dynamics 365 ERP MCP](#) to enable powerful agent workflows that combine analytical insights with transactional actions:

- **Insights to Action:** Explore ERP Analytics MCP (BPA data) to identify issues, then trigger Finance & Operations actions through the ERP MCP
- **Action Informed by Insights:** Start with a task in Finance & Operations, then use ERP Analytics MCP (BPA data) to optimize decisions (for example, requisition management with vendor performance analysis)

Prompts for Analytical Operations

- **Aggregations and summaries:** "What were total sales by region last quarter?"
- **Trend analysis:** "Show me revenue trends over the past 12 months"
- **Comparative analysis:** "Compare vendor performance between Q1 and Q2"
- **Top/bottom performers:** "Who are my top 10 customers by revenue?"
- **Anomaly detection:** "Identify purchase invoices that deviate from normal patterns"
- **Complex calculations:** "Calculate inventory turnover ratios by product category"

The agent will use the schema tool to understand your data model, then generate appropriate DAX queries to answer your questions. Results are returned as structured data that agents can analyze and present.

Prompts for Analytical Operations

- **Financial Analysis**
 - "What is our profit and loss trend over the last 12 months?"
 - "Show me our budget variance for this fiscal year"
 - "What are our top expense categories this quarter?"
- **Vendor Analysis**
 - "Which vendors have the best on-time delivery performance?"
 - "Calculate average payment cycle time by vendor"
 - "Identify vendors with the highest return rates"
- **Customer Analysis**
 - "Who are our top 10 customers by revenue?"
 - "Show me customer concentration risk analysis"
 - "Calculate average days sales outstanding"
- **Product Analysis**
 - "What are our most profitable product lines?"
 - "Identify products with declining sales trends"
 - "Calculate inventory turnover by product category"

Considerations

Subject	Description
BPA dependency	<ul style="list-style-type: none">• Data refresh frequency• Available data scope, Security configuration
Model	<ul style="list-style-type: none">• Claude Sonnet/Opus 4.5
Agent instructions	<ul style="list-style-type: none">• What to do and how to do it• in natural language statements
Performance limitations	<ul style="list-style-type: none">• 120s maximum execution time• Approximately 10 MB data return limit per query
Prompt Design	<ul style="list-style-type: none">• Be specific about time periods• Specify granularity when needed• Use structured prompts for complex analysis• Iterate based on results
Performance	<ul style="list-style-type: none">• Limit data return sizes with aggregations and summaries• Break complex analyses into steps• Use appropriate time windows
Security	<ul style="list-style-type: none">• Verify user permissions• Test with role-based access

Public Preview

MCP Tools

- ✓ Get ERP Analytical Schema
- ✓ Execute Query

Integrations

- ✓ Copilot Studio
- ✓ Visual Studio

Upcoming

MCP Tools

- **Granular schema retrieval** for better context management
- **Create/update dashboards** from natural language descriptions
- **Create/update measures** on the fly and save for future use

Integrations

- M365 Copilot and agents
- Native integration in BPA

BPA Is Included — No Separate License Required



BPA is bundled with the Dynamics 365 Finance license — no add-on purchase



Uses shared Dataverse entitlements including data lake access (no extra charge)



Power BI A6 SKU for embedded analytics is included



No Azure consumption charges for the standard SaaS deployment path



Available in two capability tiers depending on your Finance licence level

“For standard BPA reporting, your existing Dynamics 365 Finance licence is all you need.”

Additional resources

- [What is Business performance analytics?](#)
- [Dynamics 365 ERP Analytics MCP for finance and operations apps \(preview\) - Finance | Dynamics 365 | Microsoft Learn](#)
- [Build an agent with ERP Analytics MCP in Copilot Studio \(preview\) - Finance | Dynamics 365 | Microsoft Learn](#)

- Join the Viva engage <https://aka.ms/finopsvivasignup>
- [Viva Engage - Business performance analytics](#)

- [Dynamics 365 ERP MCP Server: Adaptive & Analytics-Ready](#)
- [Use Model Context Protocol for finance and operations apps](#)
- [Build an agent with Dynamics 365 ERP MCP \(preview\)](#)

- D365 ERP MCP TechTalk [Accelerating AI Agent Development for Dynamics 365 ERP](#)

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- FastTrack LinkedIn
 - <https://www.linkedin.com/company/fasttrackdynamics365/>
- Dynamics 365 Community YouTube page
 - <https://www.youtube.com/@MSD365Community/>
 - https://www.youtube.com/playlist?list=PLFSag4twLTk-BzXGIYA3shvNTY3_K6Hgd

Q&A

[Dynamics 365 TechTalks - Survey](#)



Thank you