

Microsoft Dynamics 365 and Power Platform Community Conference

MAY 26 – 28, 2025
Portorož, Slovenia, Europe



FINANCE &
OPERATIONS



BUSINESS
CENTRAL



CUSTOMER
ENGAGEMENT



POWER
PLATFORM



5th
TRACK



PARTNER
BizTRACK

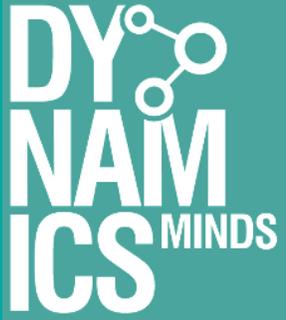


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CAPACITY-BASED LICENSING for DYNAMICS 365 F&O





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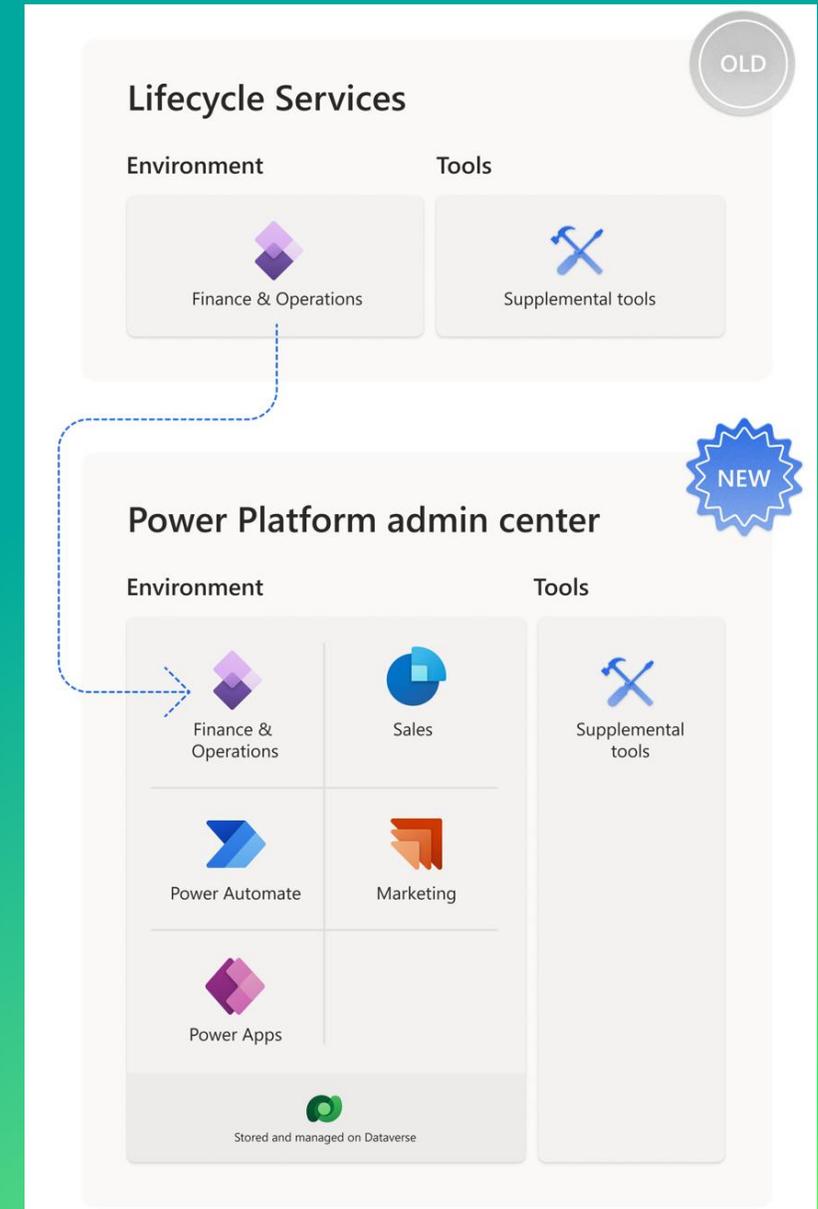
SESSION OBJECTIVES

- Environment management **PPAC**
- Understand **licensing** concepts
- Raise awareness about entitled **database capacity**
- Different types of **cost saving** by cleaning, archiving and more



From LCS to PPAC

- Single admin portal
 - F&O as an app next to other D365 apps
 - Low code and business applications
- Unified environment and application lifecycle
 - Environment creation
 - Version updates
 - Copy, backup, restore
 - Administration mode
- UX and Powershell



From LCS...

Lifecycle Services > Dynamicspedia (Dynamicspedia) United States André Arnaud de Calavon

You can get 2x to 3x better performance and meet compliance requirements by moving the project to the LCS geo matching your home geo. Use the Migration manager self-serve capability to schedule a Geo-to-Geo migration for this project. Details <https://aka.ms/lcsg2g> Do not show this again.

Dynamicspedia

Get your first look at the new AI capabilities being released during wave 2
Join us to learn about new and enhanced AI capabilities in the 2024 release wave 2 at the Microsoft Business Applications Launch Event on October 29. [Register now](#)

ACTION CENTER

Configure Microsoft managed updates
To configure the sandbox and maintenance window for Microsoft managed service updates, click on the Update settings link below.
[View update settings](#)

Subscription estimate is not complete.
Subscription estimator uses the user license details and transaction count to infer the subscription needs. Please create an active estimate in the subscription estimator.
[Subscription estimator](#)

METHODOLOGY

4/29/2024 5/30/2024 6/29/2024 7/30/2024

1 Analysis 2 Design and develop 3 Test 4 Deploy 5 Operate

Phase history

Status	ID	Task	
<input checked="" type="radio"/>	1.1	Complete LCS project configuration	*
<input type="radio"/>	1.2	Invite your project team	*
<input type="radio"/>	1.3	Configure Azure DevOps	*
<input type="radio"/>	1.4	Sign up for ProQ project quality monitoring	
<input type="radio"/>	1.5	Deploy demo environment	
<input type="radio"/>	1.6	Publish Plan and Milestone Dates	*
<input type="radio"/>	1.7	Capture Business processes and requirements	*
<input checked="" type="radio"/>	1.8	Perform Fit/Gap analysis	*
<input checked="" type="radio"/>	1.9	Complete subscription estimator	*
<input type="radio"/>	1.10	Download templates	

Description
Before kicking off, complete the required configuration for LCS to ensure the best experience. This includes to key areas, Sharepoint and Visual Studio Team Services.

Resources for this task

Task history

ENVIRONMENTS

[Subscriptions available](#)
[Service requests](#)

Availability of Sandbox addons across projects is changing.
[Learn more](#)

PRODUCTION
Configure ⚠️
Production cannot be deployed until prerequisites are met.
[View Prerequisites](#)

DEFAULT: STANDARD ACCEPTANCE TEST
✓ Environment Dynamicspedia state: Deployed
[Full details](#)



... to Power Platform Admin Center

The screenshot displays the Power Platform Admin Center interface. The top navigation bar includes the 'Power Platform admin center' title, a search bar, and user information for 'André Arnaud de ...'. The left sidebar contains navigation options: Home, Actions, Manage (selected), Security, Copilot, Monitor, Deploy..., Licensing, and Support. The 'Manage' section is expanded to show 'Environments', 'Environment groups', and 'Tenant settings'. The main content area is titled 'Environments' and includes a description: 'An [environment](#) is a space to store, manage, and share your organization's business data, apps, chatbots, and flows. When an environment is [managed](#), it allows you greater visibility and control.' Below this is a table of environments.

Environment	Type	State	Dataverse	Managed
advanced connector policies	Developer	Ready (action required)	Yes	Yes
trial	Sandbox	Ready	Yes	No
dynamicspedia-tst	Sandbox	Ready	Yes	Yes
dynamicspedia-dev	Sandbox	Ready	Yes	No
dynamicspedia-demo	Sandbox	Ready	Yes	No
dynamicspedia-sandbox	Sandbox	Ready	Yes	Yes
André Arnaud de Calavon's En...	Developer	Ready	Yes	No
Dynamicspedia (default)	Default	Ready	Yes	No

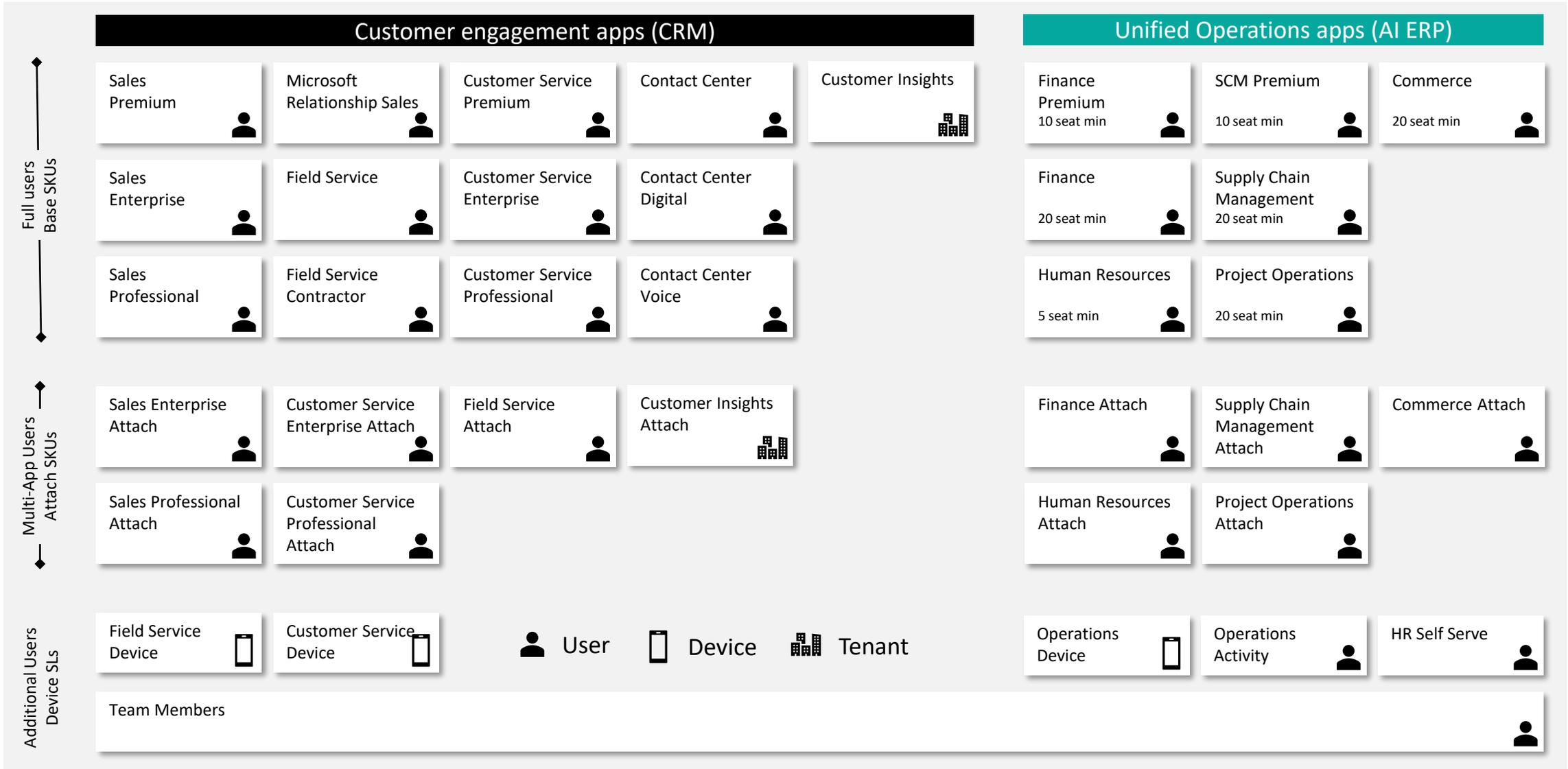
At the bottom right of the interface, there is a 'Feedback' button.



Environment creation/managements LCS vs PPAC

	LCS	PPAC
Included environments	1 Production & 1 T2 Sandbox	Unlimited environments
Adding extra environment	Sandbox Add-on SKU	
Development environments	Cloud hosted environments (Using Azure subscriptions)	<ul style="list-style-type: none">• Capacity based (minimum 1GB)• Pay as you go Subscription• Trial environment
Compute tier	Production and Sandboxes run on different compute tiers Dev runs on different architecture	Production and Sandboxes run on same compute tiers (maybe dev also?!?)

Dynamics 365 licensing



Capacity entitlements

USD			Base	Premium	Activity	Team member	Device
Price		PU/PM	210 USD	300 USD	50 USD	8 USD	85 USD
Per Tenant	Dataverse	Database	10 GB	15 GB	-	-	-
		File	20 GB	30 GB	-	-	-
		Log	2 GB	3 GB	-	-	-
	Operations	Database	60 GB	90 GB	-	-	-
		File	40 GB	60 GB	-	-	-
	Per Subscription License	Dataverse	Database	250 MB	500 MB	64 MB	-
File			2 GB	3 GB	512 MB	-	819 MB
Operations		Database	4 GB	6 GB	375 MB	-	600 MB
		File	4 GB	6 GB	1 GB	-	1,6 GB



License and capacity calculator

next 365

License details	Base	Premium	Attach	Capacity entitlement	Operations		Dataverse		
					Database	File	Database	File	Log
Dynamics 365				Tenant	60,0	40,0	10,0	20,0	2,0
Finance	50	0	0						
Supply Chain Management	20	0	0	Base users	280,0	300,0	18,8	150,0	-
Commerce	0	-	0						
Project Operations		-	12	Operations - Activity	5,5	15,0	0,9	7,5	-
Human Resources	5	-	0	Operations - Device	5,9	16,0	1,0	8,0	
Other users	Quantity			Capacity add-on	0,0	0,0	0,0	0,0	-
Operations - Activity	15			Sandbox add-on	39,4				
Team members	180								
HR Self service	0								
Operations - device	10								
Sandbox add-on (Tier 2)	2			Total GB	390,7	371,0	30,7	185,5	2,0
Sandbox add-on (Tier 3)	0								
Sandbox add-on (Tier 4)	1			License per month	21.475	USD			
Sandbox add-on (Tier 5)	0			License per year	257.700	USD			
Dataverse - database add-on	0			Base users	75				
Dataverse - file storage add-on	0			Premium users	0				
Operations - database add-on	0			Attach users	12				
Operations - file storage add-on	0			Sandbox add-ons	3				

Disclaimer

Sheet created based on current understanding of the Dynamics 365 Licensing guide
 Sandbox prices might be incorrect as they are calculated from EUR to USD



Capacity usage type reporting in PPAC

Dataverse capacity:

- Database
- File
- Log

F&O capacity:

- Database
- File

The screenshot displays the 'Capacity' page in the Power Platform admin center. The page is divided into two main sections: 'Storage capacity usage' and 'Storage capacity, by source'.

Storage capacity usage: This section provides a summary of capacity usage across all storage types. It includes a green checkmark indicating available capacity and a link to 'Learn more about managing capacity'. Below this, there are three rows of usage data, each with a progress bar and a table of used/allocated capacity and available percentage.

Storage Type	Used Capacity	Allocated Capacity	Available Percentage
Database	17.06 of 22.5 GB used	22.5 GB	24.16% available
File	20.24 of 120 GB used	120 GB	83.13% available
Log	0 of 2 GB used	2 GB	100% available

Storage capacity, by source: This section provides a table of capacity usage by source. It includes a link to 'View self-service sources'.

Source	Database	Log	File
Org (tenant) default	10 GB	2 GB	20 GB
User licenses	12.5 GB	N/A	100 GB
Additional capacity	0 MB	0 MB	0 MB
Total	22.5 GB	2 GB	120 GB

PPAC FO Usage reporting per environment

Power Platform admin center

Settings ? André Arnaud de ...

Home
Environments
Environment groups
Advisor
Security
Analytics
Billing
Settings
Copilot
Resources

Capacity

Summary Dataverse Microsoft Teams Add-ons Trial Finance and operations

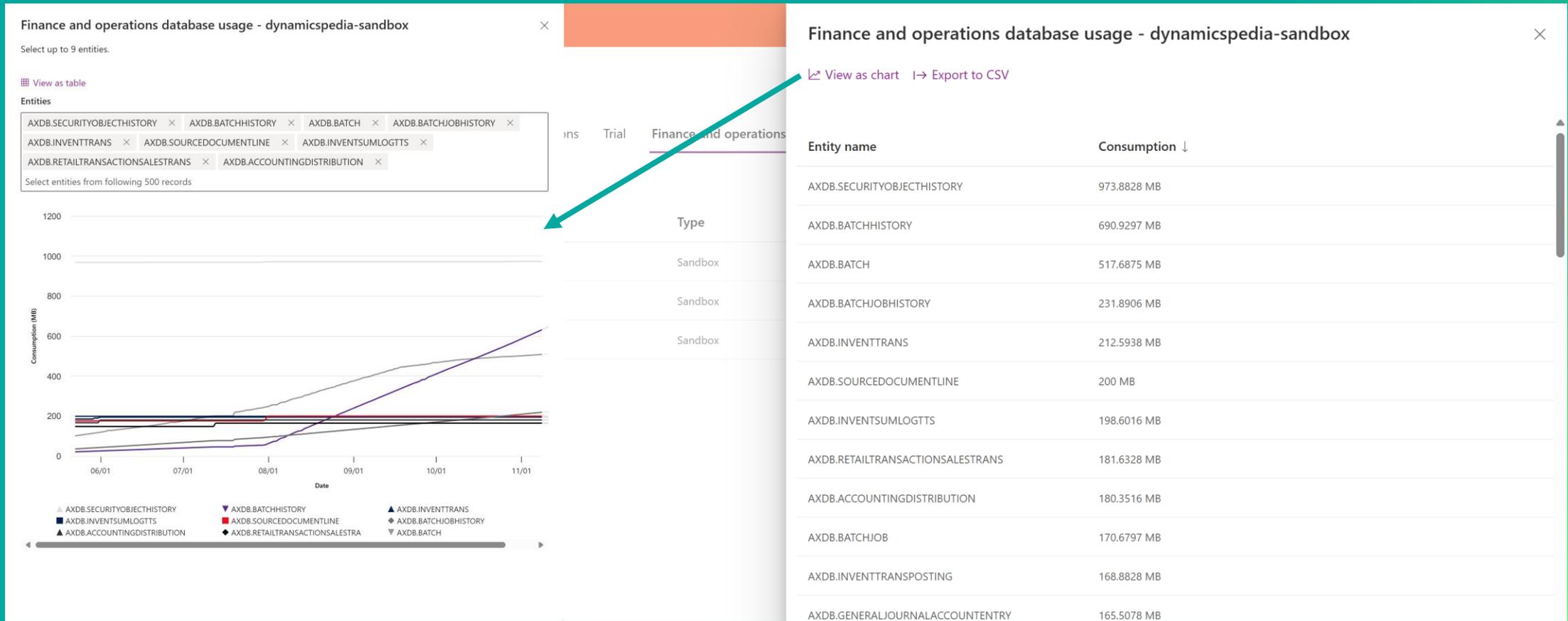
[I→ Export to CSV](#)

Environment	Type	Finance and operations database usage	Finance and operations file usage	Last updated
dynamicspedia-summit	Sandbox	6.28 GB	43.22 MB	11/18/2024 8:29:56 PM
dynamicspedia-demo	Sandbox	6.9 GB	335.25 MB	11/18/2024 9:40:08 PM
dynamicspedia-sandbox	Sandbox	7.68 GB	191.75 MB	11/18/2024 7:50:17 PM

Catalogs
Dynamics 365 apps
Power Pages sites

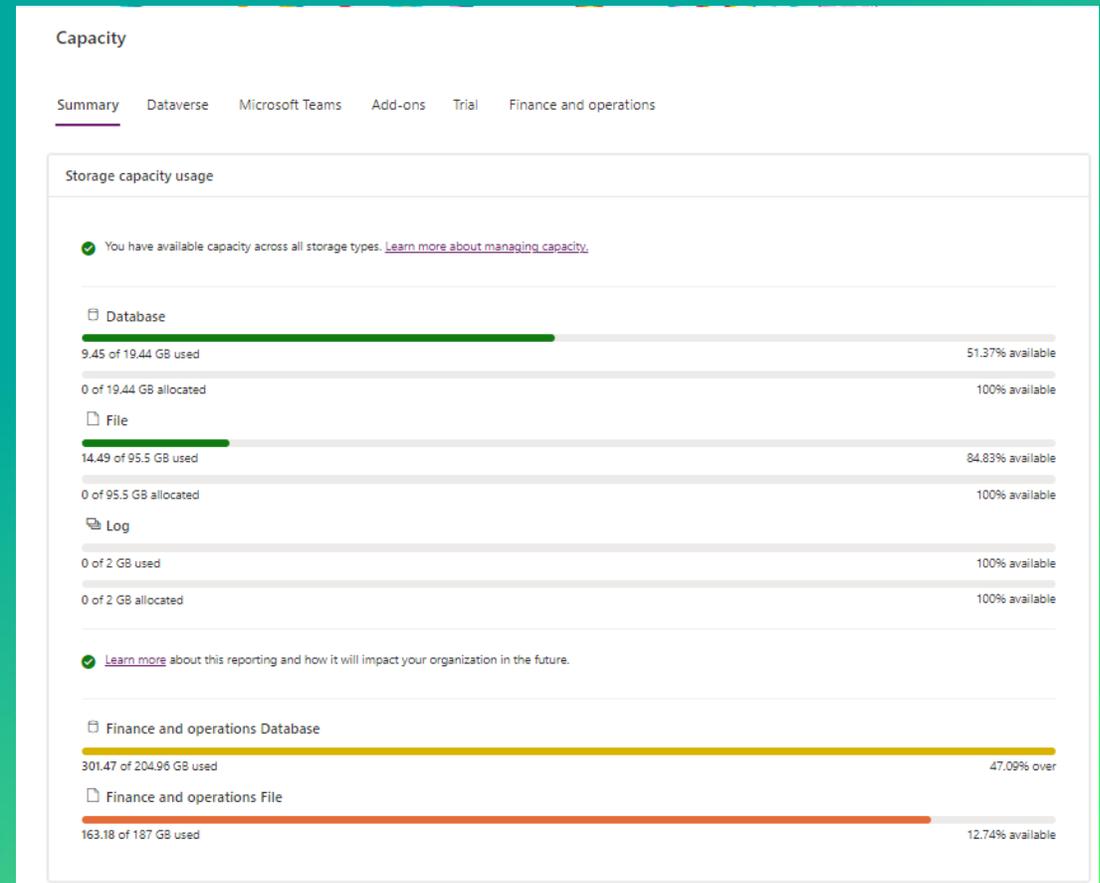


PPAC F0 Usage reporting per environment per table



From theory to reality – Wake up call!

- Client databases too large
- Sandbox add-on SKU deprecated
- Database and file capacity SKUs



Overrun restrictions

LCS to PPAC migration

Same restrictions for Dataverse and F&O environments

PPAC Administrative restrictions

- Create environment
- Copy environment
- Restore environment
- Convert trial
- Add Dataverse database

Documentation



Capacity optimization plan

Reduce database and file storage:

- Identify largest tables
- Enable specific features
- Enable clean-up jobs
- Archive data
- Review customizations
- Other data and settings

Entity name	Consumption ↓
AXDB.LEDGERJOURNALTRANS	214490.3 MB
AXDB.BATCHHISTORY	150508.2 MB
AXDB.GENERALJOURNALACCOUNTENTRY	140807.5 MB
AXDB.CREDITCARDAUTHTRANS	131288.4 MB
AXDB.RETAILTRANSACTIONPAYMENTTRANS	128101.4 MB
MRDB.Fact	76108.46 MB
AXDB.GENERALJOURNALENTY	73540.85 MB
AXDB.ASSETTRANS	43148.7 MB
AXDB.SUBLEDGERVOUCHERGENERALJOURNALENTY	40239.54 MB
AXDB.LEDGERJOURNALTRANS_ASSET	33539.64 MB
AXDB.INVENTTRANS	32180.63 MB
AXDB.RETAILTRANSACTIONSALESTRANS	31229.9 MB
AXDB.SALESLINE	23728.33 MB
AXDB.RETAILTRANSACTIONTABLE	20792.59 MB
AXDB.DIMENSIONATTRIBUTEVALUECOMBINATION	20638.58 MB
AXDB.CUSTINVOICETRANS	17966.23 MB

Feature recommendations

- “Performance enhancement for general ledger dimension set balance calculation”
 - Introduced in 10.0.40
 - Next to performance also less database consumption
 - Review impact on ISVs, customizations, and reporting
- Features containing word “Cleanup”
- Features containing word “Performance”
- “Archive with Dataverse long term retention”

Cleanup

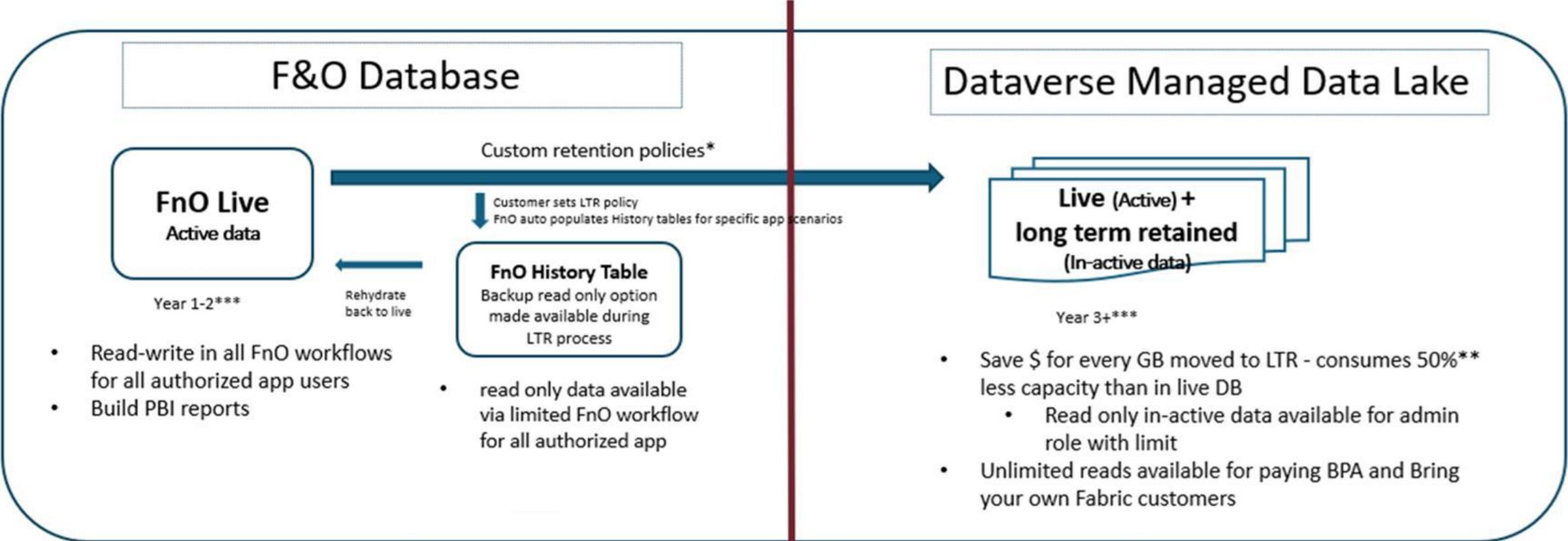
- Default cleanup by application
 - SysDatabaseLog reminder to setup cleanup job (10.0.32)
 - Data management job history older than 90 days (10.0.36)
 - EventCUD auto cleanup of obsolete records (10.0.40)
 - InventReportDimHistory records older than 90 days (10.0.40)
 - Warehouse inventory transactions
- Review and setup cleanup jobs from multiple modules
 - Some jobs are global some per legal entity
- ISV solutions
 - Some have cleanup jobs some not



Archive data



Archive framework



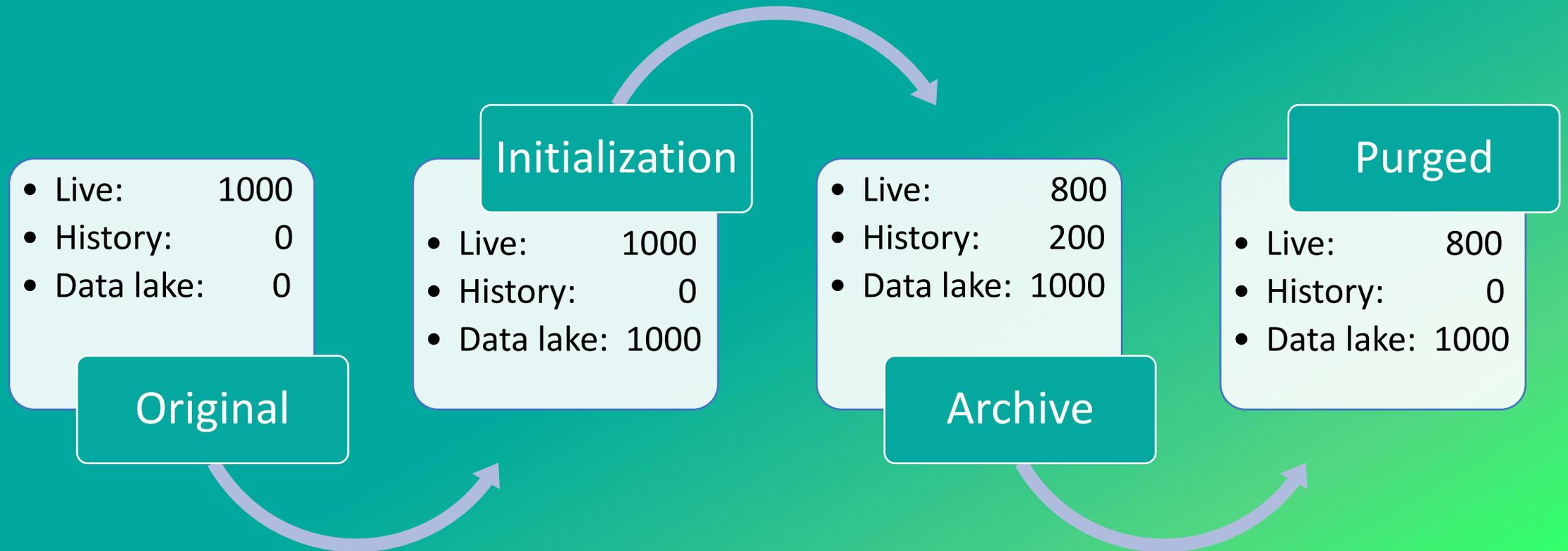
*** For illustration purpose only. Customer decides time period.

* LTR policies can
 1. ONLY be defined for FnO entities enabled for retention.
 2. be set from FnO app UI or Power Apps maker portal.
 3. be viewed from FnO and maker portal retention policies dashboard

Single FnO entity used for data lake movement

** Dependency on data type in source table .
 DB capacity savings from 25 Athena production customers,

Archive flow



Supported archive scenarios

General available

- Ledger transactions
- Tax transactions
- Sales orders
- Inventory transactions
- Inventory journals

Preview

- Customer invoices

Status unknown

- Inventory documents (flight)
- Commerce transactions (flight)

Customizations

- Custom fields
- Custom tables

Finance and Operations Preview

Search for a page

Feature management

Do not enable new features automatically

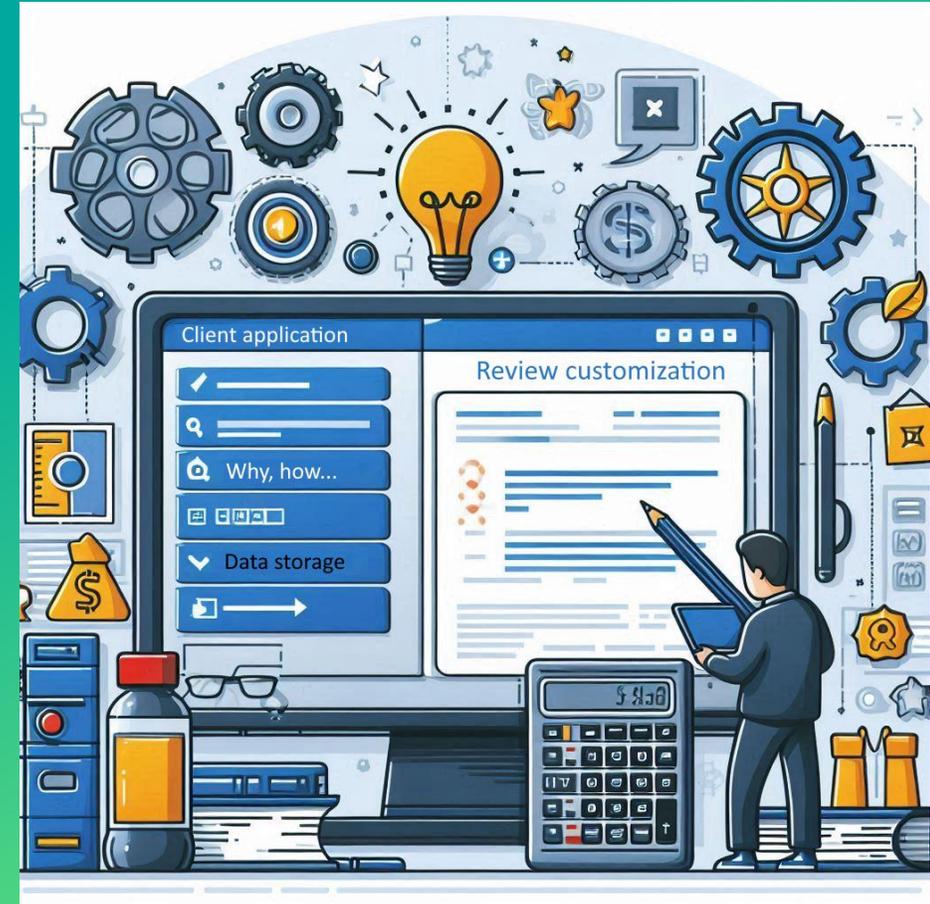
New Not enabled Scheduled All

Filter

Feature name	Status	Enable date	Feature added	Feature state	Module
(Preview) Archive Customer invoice with long term retention.	🟢	10/29/2024	10/25/2024	Preview	Accounts receivable
Archive with Dataverse long term retention	🟢	10/29/2024	4/8/2024		System administration

Review customizations

- Check for data redundancy
- BLOB fields versus file storage
- Create table in F&O or Dataverse
 - Dual write required or you can use virtual entities?
- Custom Index
 - Required or obsolete?
 - Included columns
- Cleanup or archival required?



Other data and settings

- Review settings
 - Alert rules
 - Database log
 - Document history
 - Number sequences not in use
 - “Skip staging” during DMF export
- ERP migration – historical data
- Transaction less copy
 - PPAC only
- Pay as you go
 - Azure subscription
 - Set up billing rule
 - Select environment(s)
- Extend Dataverse capacity for 30 days
 - Self-service

There is more...

- Some tables currently not supported for cleanup or archival
 - Workflow history
 - SysEncryptionLog
 - SecurityObjectHistory
 - ERLCSFileAssetTable
 - SysOutgoingEmailTable/SysOutgoingEmailData
- Financial reporter some suspicious large tables
 - Try reset data mart (MRDB) database first
- Entity store



PPAC

Archive workspace

Resources

Cleanup routines in D365FO



Archive data in D365FO



Extend Dataverse capacity for 30 days



Questions



THANK YOU!

