

Power Platform

Pay as you go (PAYG)

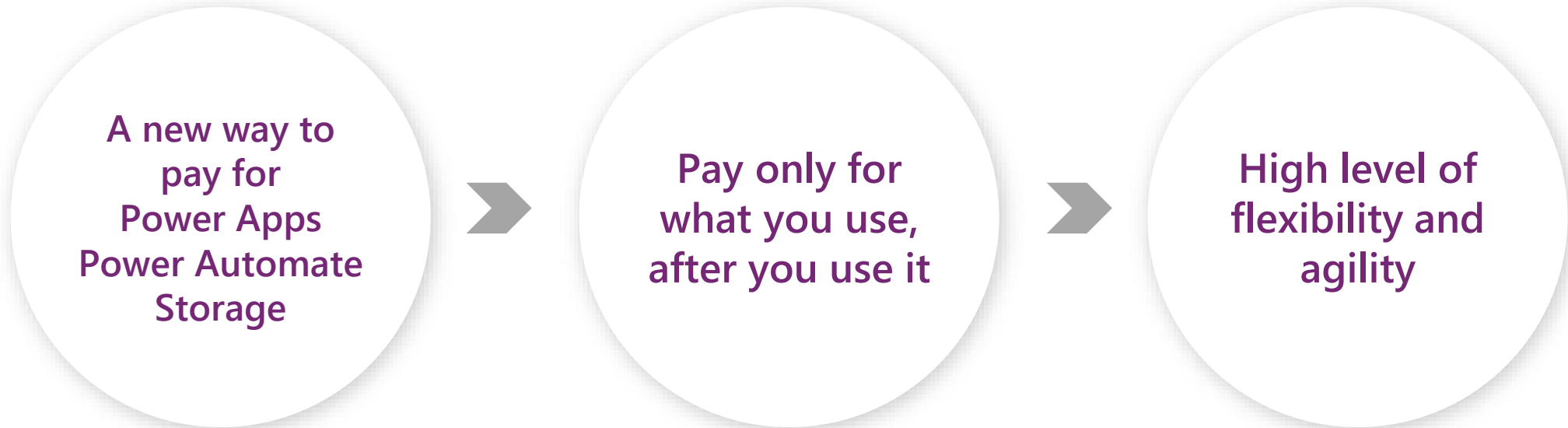
Shaf Mahar
Principal FastTrack Solution Architect

Anand Singh
FastTrack Solution Architect

Agenda

Overview of Pay as you go
Meters
Setup & Billing
Key considerations
& recommendations

PAYG Overview



Type of meters



Power Platform pay-as-you-go meters summary

Service	What is counted?	Meter Details
Power Apps	Unique monthly active users* of each premium app in the environment. Users with per user licenses are excluded.	\$10.00 per active user/app/month
Power Automate Preview	Flow runs for premium cloud flows and desktop flows. Users with Power Automate per user licenses and flows with per flow licenses are excluded from flow run charges when using a feature within their license entitlements.	\$0.60 per cloud flow run and desktop flow run (attended mode) \$3.00 per desktop flow run (unattended mode)
Power Pages Preview	Unique monthly authenticated and anonymous users of each Power Pages website.	\$4.00 per authenticated user/website/month \$0.30 per anonymous user/website/month
Dataverse	Total storage of Dataverse Database (above 1 GB), File (above 1 GB), and Log in the environment.	\$48.00 per GB/month for database \$2.40 per GB/month for file \$12.00 per GB/month for log
Power Platform Requests Preview – not billed	Number of Power Platform Requests above the user or flow's daily limits in the environment.	\$0.00004/request/day

Meters Overview

Power Apps Meter (1/5)

How does Power Apps meter work?

Power Apps per app pay-as-you-go



\$10 per active user¹/app/month

- **Meter definition** = usage of a single app or a single portal one or more times in a month by a unique user

How is this measured? A monthly measure of the number of unique users that run an app in a PAYGO enabled environment.

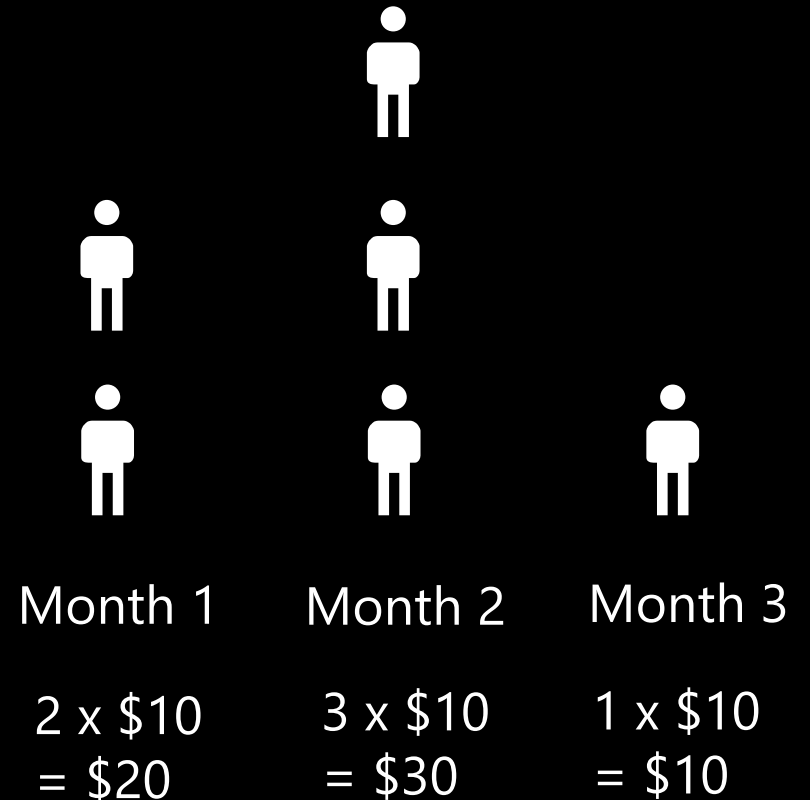
- A single user's repeat access to the same app or portal over the course of a month will only be counted once.
- A single user's access to different apps or portals during a monthly period is counted individually.

Pay for each Monthly Active User of an app

No license assignment required

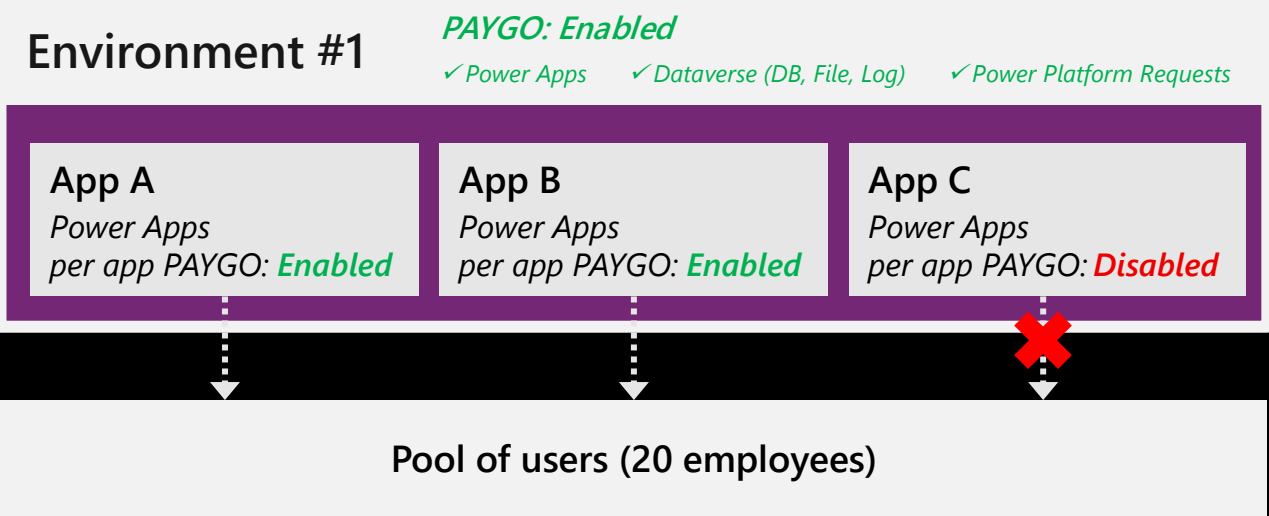
Billed via Azure subscription

MONTHLY ACTIVE USERS



¹ Active user = unique user that runs a PAYGO enabled app; does not count users with per user licenses

Power Apps per app PAYGO Meter | EXAMPLE



Admins and makers can select which apps will be PAYGO enabled within a PAYGO enabled environment.

App C disabled for PAYGO

At the end of the monthly, the customer will be charged for the number of **monthly active users**

Note: Sharing apps with users does not incur costs, only running apps triggers meter

If no users run the apps during the course of the month, no charges will be incurred

	Month #1	Month #2	Month #3
App A	2 active users	0 active users	2 active users
App B	3 active users	0 active users	2 active users
Total Monthly Azure Bill	\$50 (5 x \$10/active user/app)	\$0 (0 x \$10/active user/app)	\$40 (4 x \$10/active user/app)

Meters Overview

Power Automate Run Meter (2/5)

Power Automate plans

Subscription Plans

Best for businesses that want predictable user-based licensing – with the flexibility to license users to run one flow at a time or run unlimited flows.

Per user plan

Per user with attended RPA

Per flow plan

Unattended add-on

\$15

per user/month

Run unlimited premium cloud flows per user for one flat monthly rate

\$40

per user/month

Run unlimited flows with attended RPA for one flat monthly rate

\$100/

flow/month. Min 5 flows purchase reqd.

Run one flow with unlimited users for one flat monthly rate

\$150

bot/month

Run unlimited flows on a bot for one flat monthly rate

Pay-as-you-go plan

Best for businesses that want the agility to pay **only when a user runs a flow** during a monthly period using Azure subscription.

Per cloud/attended desktop (RPA) flow run

Per unattended RPA flow run

\$0.60

per flow run

Use an Azure subscription to pay per cloud flow run or attended RPA flow run based on the number of unique flow runs and billed monthly

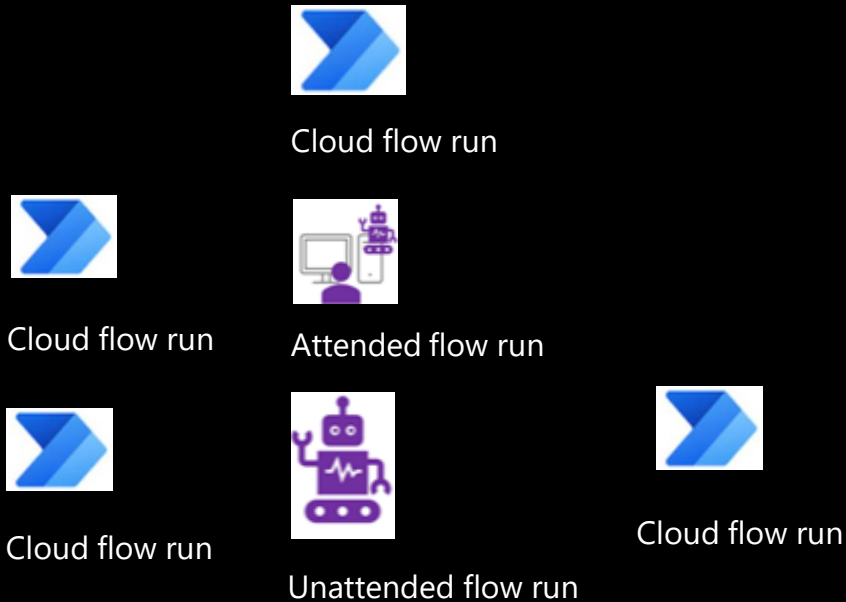
\$3

per flow run

Use an Azure subscription to pay per unattended RPA flow run based on the number of unique flow runs and billed monthly. Set up unlimited bots to have concurrent runs

How do Power Automate meters work?

Flow runs



Month 1
2 x \$0.60
= \$1.2

Month 2
2 x \$0.60
+ 1 x \$3
= \$4.2

Month 3
1 x \$0.60
= \$0.60

Total charges per month are calculated as
\$ x Monthly flow runs

If a user runs a flow multiple times in a month,
then there is a charge for every flow run

Charges are based on the number of flow runs,
regardless of how many users have access to the
flow

If a user or a flow has a prepaid Power Automate
license, then the entitlements of that license will
determine if a flow run is charged or not

Meters Overview

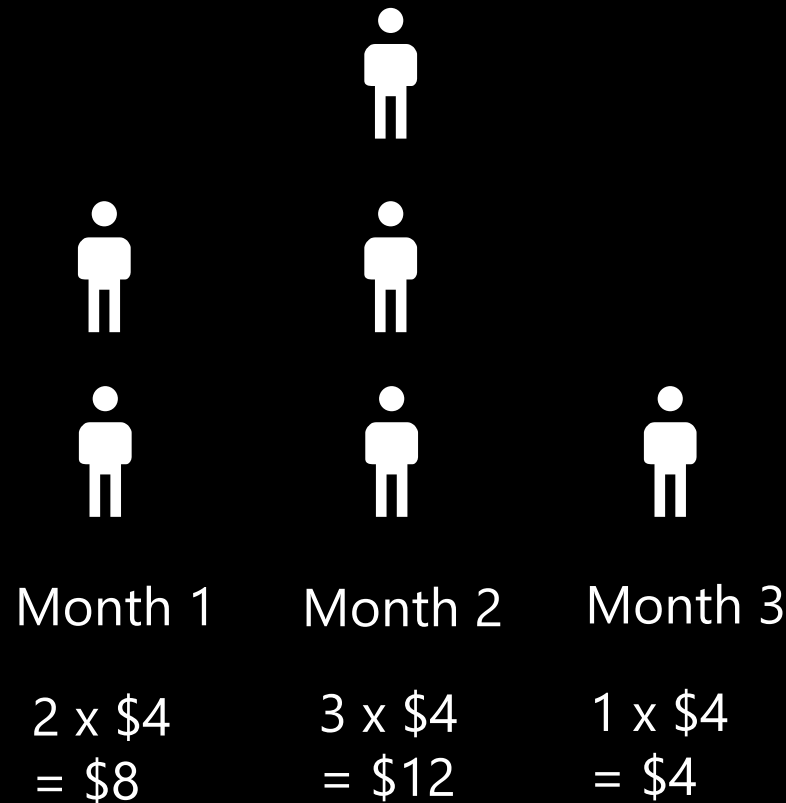
Power Pages (3/5)

Power Pages plans

Subscription Plans		Pay-as-you-go plans	
Best for businesses that want predictable licensing – with different plans for authenticated and anonymous users		Best for businesses seeking the option to pay only when users access a website	
Per authenticated user	Per anonymous user	Per authenticated user	Per anonymous user
<div><div>\$200</div><div>per 100 users/site/month</div><div>Allow users to access low-code business website securely with authenticated access</div></div>	<div><div>\$75</div><div>per 500 users/site/month</div><div>Allow viewers to access low-code business website anonymously</div></div>	<div><div>\$4</div><div>per authenticated user/site/month</div><div>Use an Azure subscription to pay for the number of unique users who authenticate on a website each month</div></div>	<div><div>\$.30</div><div>per anonymous user/site/month</div><div>Use an Azure subscription to pay for the number of anonymous users who browse a website each month</div></div>

How does Power Pages meter work?

MONTHLY USERS - Authenticated scenario



An **authenticated user** is a user who authenticated on a Power Pages website at least once in the given month.

Users can access the same website multiple times but are only counted once.

Users with Power Pages entitlements from Power Apps or Dynamics Enterprise licenses are not counted as authenticated users.

Total charges per month are calculated as **\$ x Monthly authenticated users.**

Meters Overview

Dataverse Storage (4/5)

Dataverse Overage Meter | Basics

Dataverse Overage Meters



Pay for capacity usage

Database Capacity Overage Meter
\$48 per GB / month

Log Capacity Overage Meter
\$12 per GB / month

File Capacity Overage Meter
\$2.40 per GB / month

Meter definition = amount of capacity usage in the env once preassigned limit is exceeded

Measurement Frequency = Daily

Billing Frequency = Monthly

Pay for the Dataverse overage capacity you use

No pre-purchase required

All PAYGO enabled environments will be granted the following:

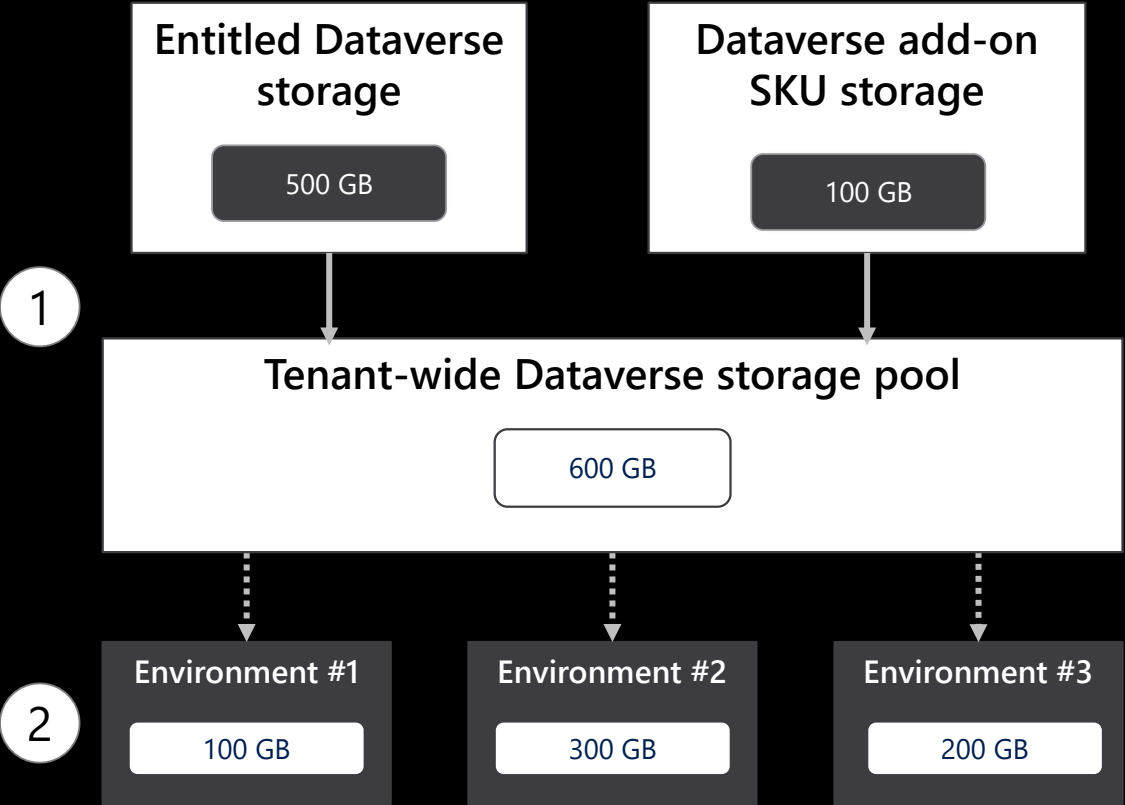
- 1 GB of Dataverse Database
- 1 GB of Dataverse File

How Dataverse storage works today

- 1

Storage purchases and entitlements flow into a tenant-wide pool
- 2

Environments in the tenant draw down from the tenant-wide pool



How PAYG Dataverse storage will work

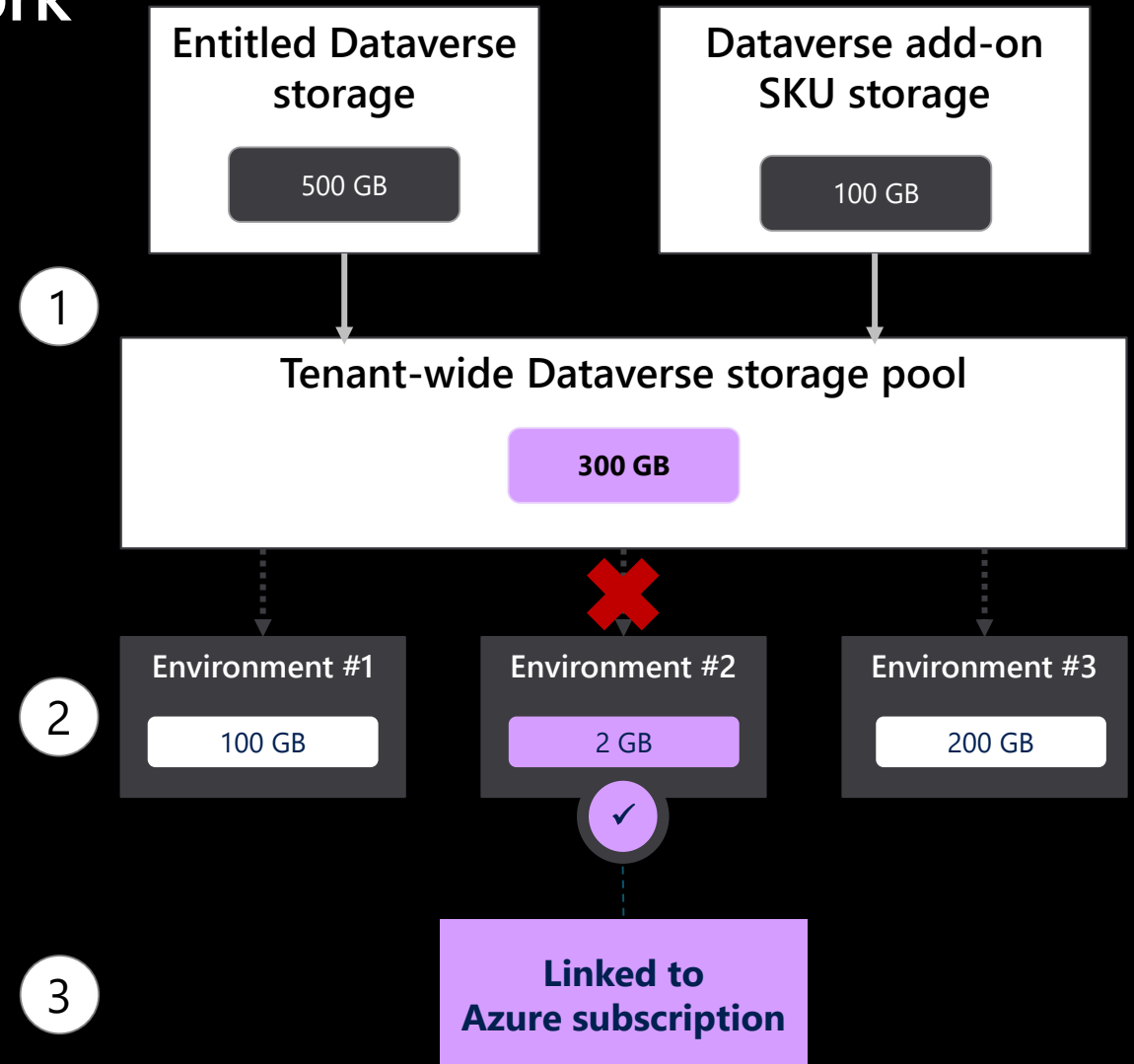
1 Storage purchases and entitlements flow into a tenant-wide pool

2 Environments in the tenant draw down from the tenant-wide pool

3 Any environments linked to Azure will not draw down from the tenant-wide pool

1. Ensures no enforcement on critical environments
2. Frees up capacity

2 GB of Dataverse storage (1 GB of Database storage and 1 GB of Log storage) is automatically added to a PAYGO enabled environment



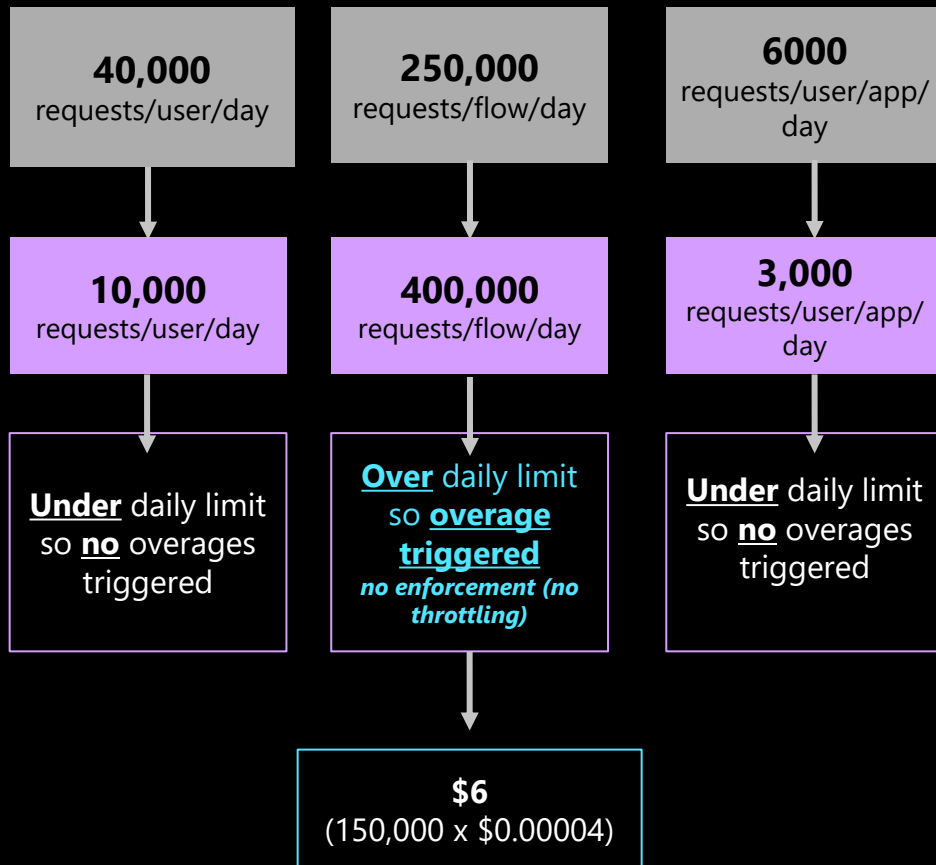
Meters Overview

Power Platform Requests (5/5)

Power Platform Requests:

No throttling when using Pay-as-you-go

Pay-as-you-go environment



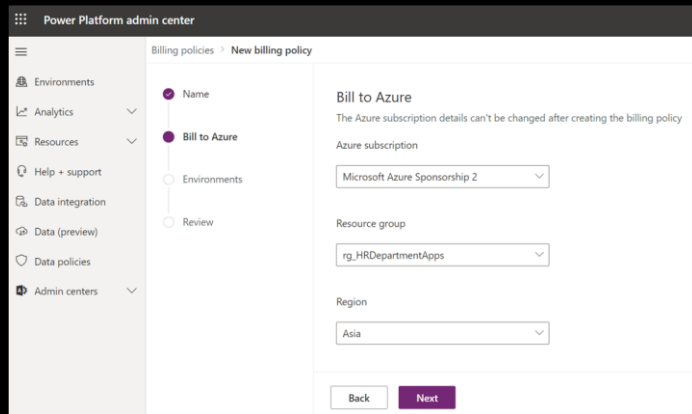
In November 2021 we significantly increased Platform Request limits for all Dynamics/Power Platform licenses so that customers don't need to worry about paying for overages or throttling
<http://aka.ms/platformlimits>

There is no throttling in a pay-as-you-go environment.

Pay for overages only when you go beyond the limits

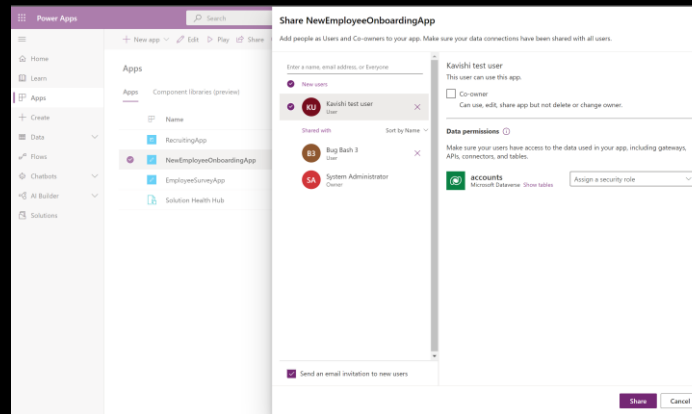
Setup & Billing

Easy set up



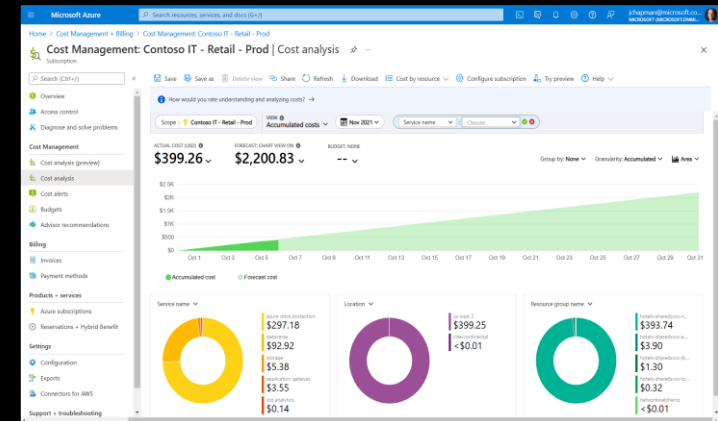
STEP 1

Link an environment to an Azure subscription in Power Platform admin center or in Power Apps.



STEP 2

Build and share apps in that environment with any user in your organization. Usage will be billed to the linked Azure subscription.



STEP 3

View billing information, allocate charges to cost centers, set budgets and spending alerts in the Azure portal.

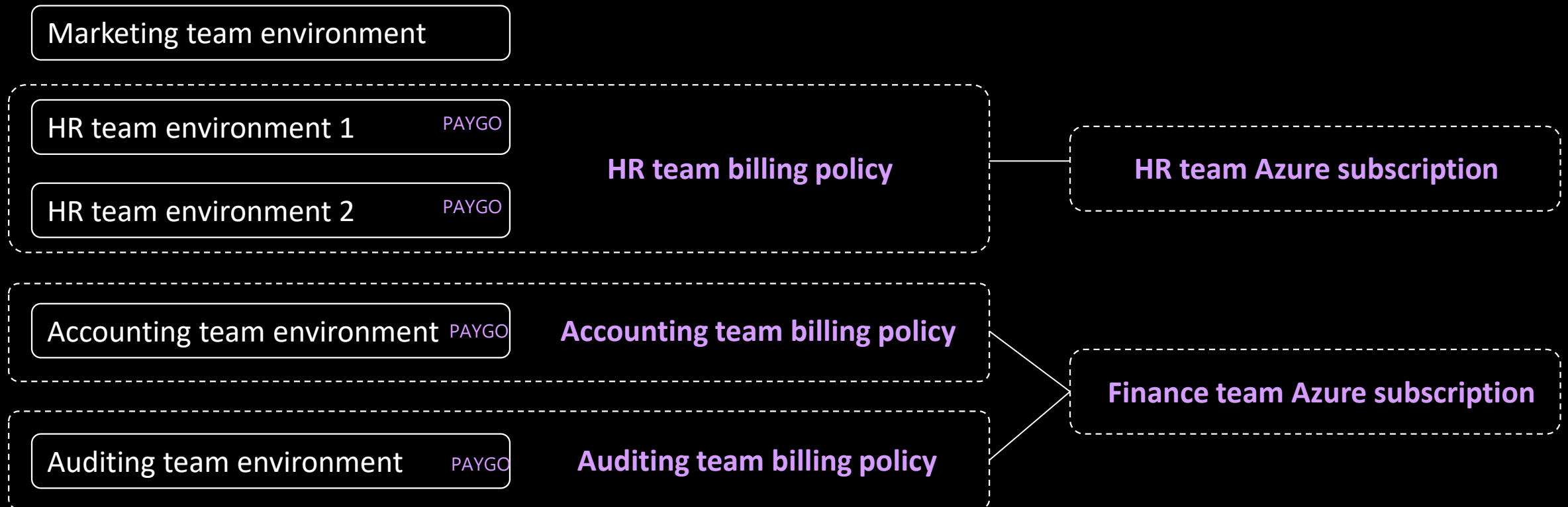
Who can set up pay-as-you-go

To set up pay-as-you-go for an environment a user must:

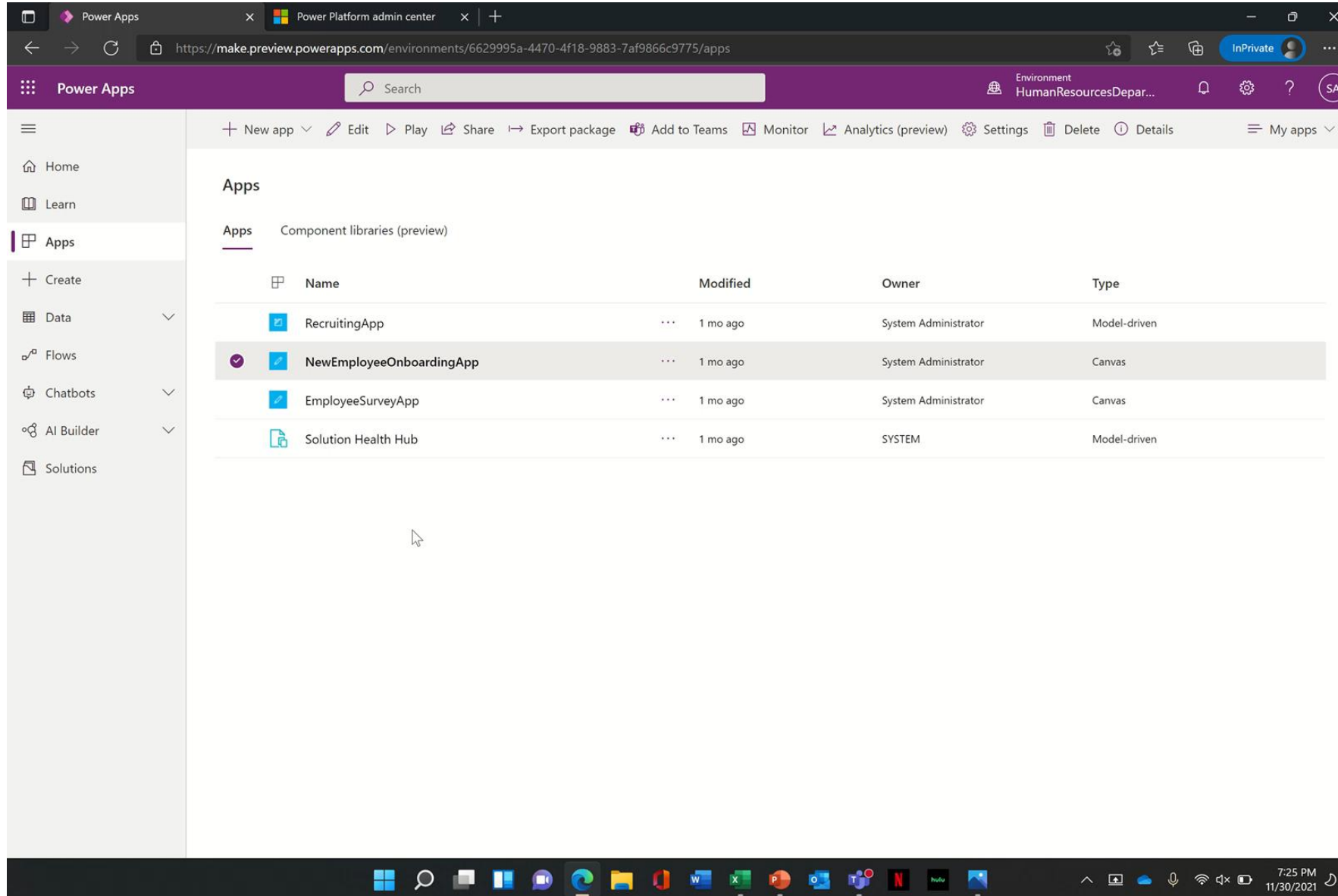
1. Be an **environment admin** for the environment (or a Power Platform admin, Dynamics 365 Admin, or Tenant admin in the tenant)
2. Have **access to an Azure subscription** with permissions to create resources and register resource providers (mostly commonly, customers will get these permissions by having an owner or contributor role for the subscription)

Billing Policies

- Customers can turn on pay-as-you-go on an environment-by-environment basis
- Environments become pay-as-you-go environments when they are linked to an Azure subscription through a billing policy
- Billing policies can be created in either the Power Platform admin center or in Power Apps
- All Power Platform Azure meters are enabled for pay-as-you-go environments



Setup (PAYG for Power Apps)



The screenshot displays the Power Apps admin center interface. The top navigation bar includes the 'Power Apps' logo, a search bar, and the environment name 'HumanResourcesDepar...'. The left sidebar contains navigation options: Home, Learn, Apps (selected), Create, Data, Flows, Chatbots, AI Builder, and Solutions. The main content area shows a list of apps under the 'Apps' tab. The table lists the following apps:

Name	Modified	Owner	Type
RecruitingApp	1 mo ago	System Administrator	Model-driven
NewEmployeeOnboardingApp	1 mo ago	System Administrator	Canvas
EmployeeSurveyApp	1 mo ago	System Administrator	Canvas
Solution Health Hub	1 mo ago	SYSTEM	Model-driven

The bottom of the image shows the Windows taskbar with various application icons and the system clock indicating 7:25 PM on 11/30/2021.

Key Considerations & Recommendations



Key Takeaways

- All meters are turned on at the same time on the environment. There is no luxury of selection of meters (at this stage)
- Any environments linked to Azure will not draw down storage from the tenant-wide pool (dataverse meter). However, 1 GB Dataverse Database and 1 GB Dataverse File capacity is included in a pay-as-you-go enabled environment
- PAR (Power Automate Run) meter billings does not apply on the flows licensed with either Per Flow or Per User licenses however PAYG costs are metered at 0.60\$ per run for non-licensed flows!
- Assigning Per User Licenses to Service Principal (SPN) is not possible (at this stage) hence Per Flow License becomes the only option.
- PPR meter is not yet charged but will be billed soon! (Preview)



Recommendations

- Consider pay as you only for environments where customer does not have usage and capacity estimates.
- Consider PAYG as overage costing model.
- Carry out Costing Analysis ($\text{TCO} = \text{Pre-Paid} + \text{Post Paid costs}$)
- Discuss the volumetrics well before (Design phase is best time)
- Review & choose PAYGO vs prepaid well in advance in accordance with volumetrics.
- **Prepaid** is best for businesses with predictable user-based licensing.
- **Pay-as-you-go** is best for businesses that want the agility to pay only when a user runs a flow, or consume storage or Power pages or Apps usages are unpredictable.

Power Platform pay-as-you go resources

Announcement blog: <https://aka.ms/PowerPlatformPAYGBlog>

Docs: <https://aka.ms/PowerPlatformPAYG>

External Questions: [Power Apps community forum](#)

Partner-Ready FAQ: [Microsoft Partner Community](#) | [Microsoft Power Platform Partner Portal](#)

Thank you!