



WorkshopPLUS

Power Platform for Administrators

Center of Excellence Starter Kit

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Objectives

After completing this Learning, you will be able to understand:

1

✓ Fundamentals of Power Platform governance

2

✓ What Center of Excellence (CoE) Starter Kit is and what it has to offer to better govern your Power Platform investment

3

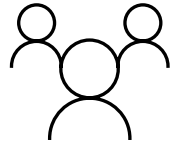
✓ Details of CoE Core, Audit Log components and Power BI Dashboard



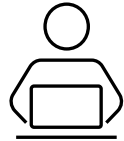
Fundamentals of Power Platform governance

Power Platform is Designed For Everyone

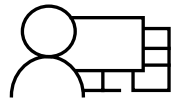
Low-code gives rise to more developers



End Users



Experienced Developers



IT/Admins

Digital Transformation is Powered By People

End users will be creating many more apps than experienced developers in the coming years



End Users

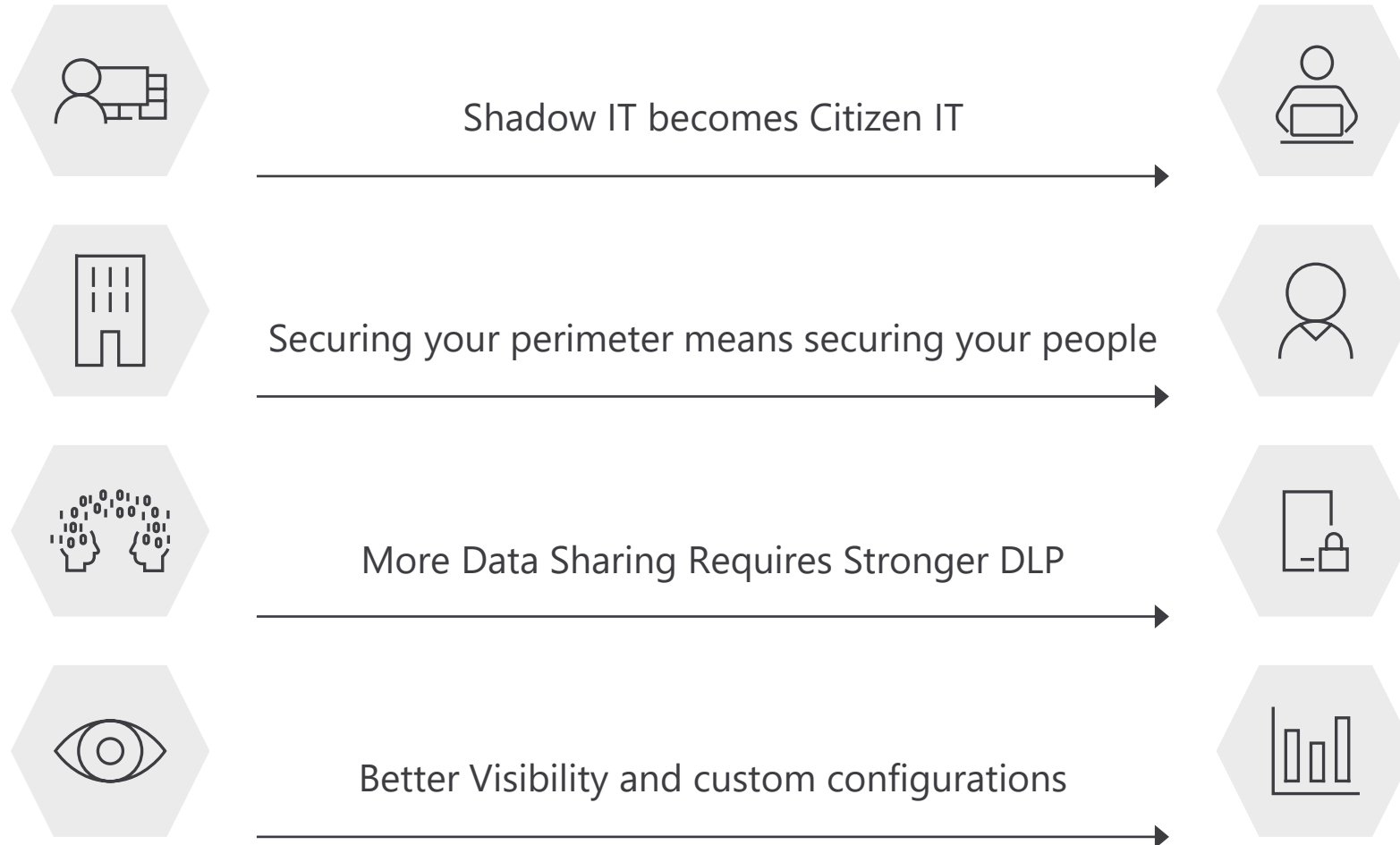
4x



Experienced Developers

The Growing Number of Developers Creates A New Norm

IT must adapt to the growing number of non-technical developers



More Developers Require More Governance

Do any of these challenges sound familiar to you?



Business data security concerns regarding connectors



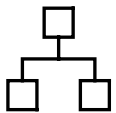
Compliance issues regarding GDPR



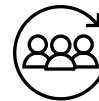
Environment health regarding trial setup



ALM support regarding apps being created/ deployed



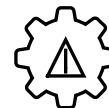
Maintenance challenges regarding app and flow distribution



Staff turnover challenges regarding app or flow ownership



Security risks regarding "shadow IT"



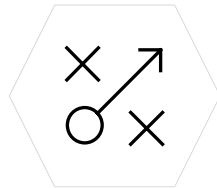
Information risk management

Power Platform Empowers IT Admins with Governance Capabilities

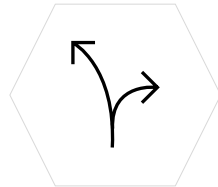
Empowering admins with full visibility and the tools needed to balance business productivity with governance



Makes governance a mandate



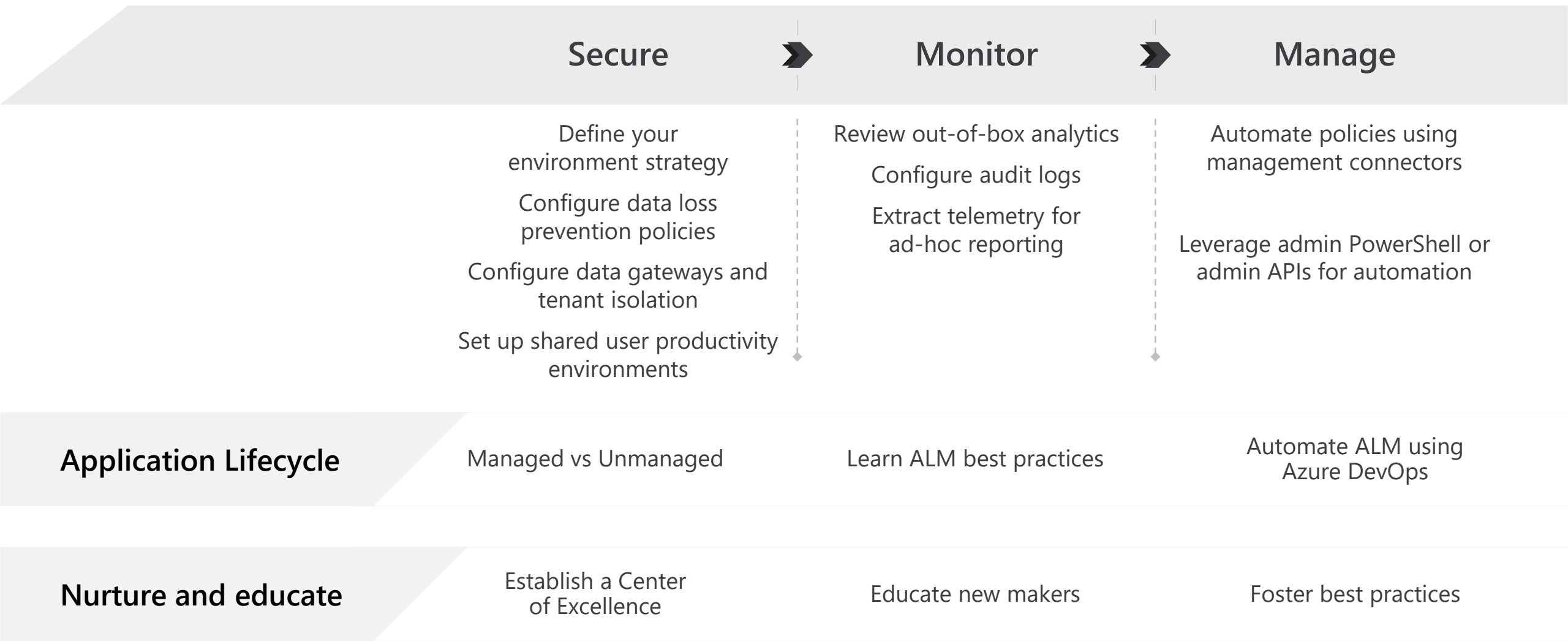
Helps Develop & Implement a Strategy



Allows flexibility when needed

Governance – Practically Applied

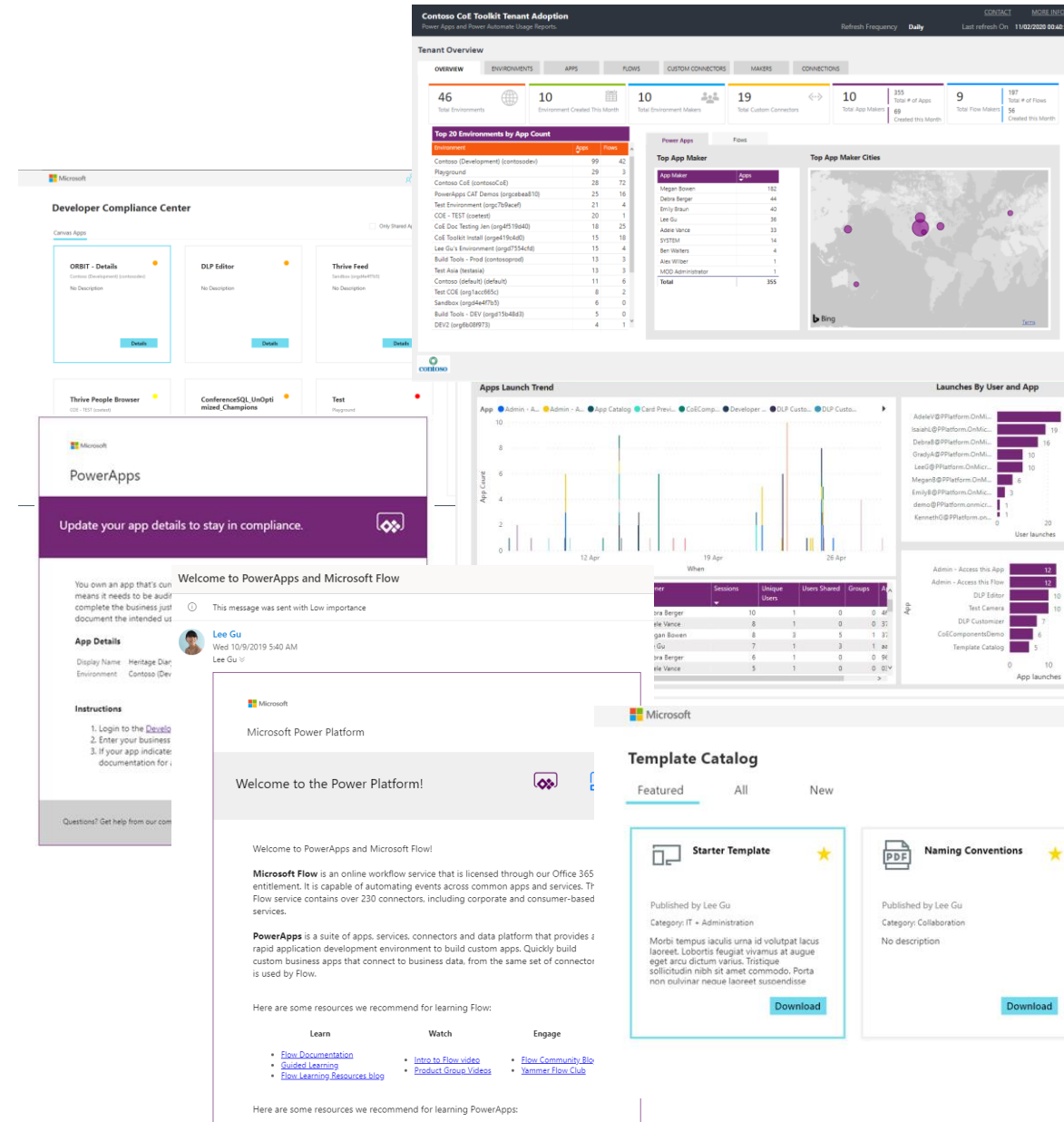
IT must adapt to the growing number of non-technical developers



Introduction to Center of Excellence (CoE) Starter Kit

What is Center of Excellence Starter Kit?

- The Center of Excellence or CoE for short is a collection of components and tools, which are designed to help you get started with developing a strategy for adopting and supporting the Power Platform. It includes a templated implementation of best practices.
- Adopting it can give you the
 - Ability to better administer the platform with a dashboard that gives you full visibility
 - Ability to govern with a sample audit process
 - Ability to nurture with template catalog to share best practices, and welcome email to welcome new makers.
- Starter Kit might not match every organization's requirements, so we recommend that you extend the solution to fit your organization's requirements.



Better together

Managed Environments

Out of the box governance capabilities to manage the Power Platform at scale with **more visibility, more control** and **less effort**.

<https://aka.ms/MEGuidance>



CoE Starter Kit

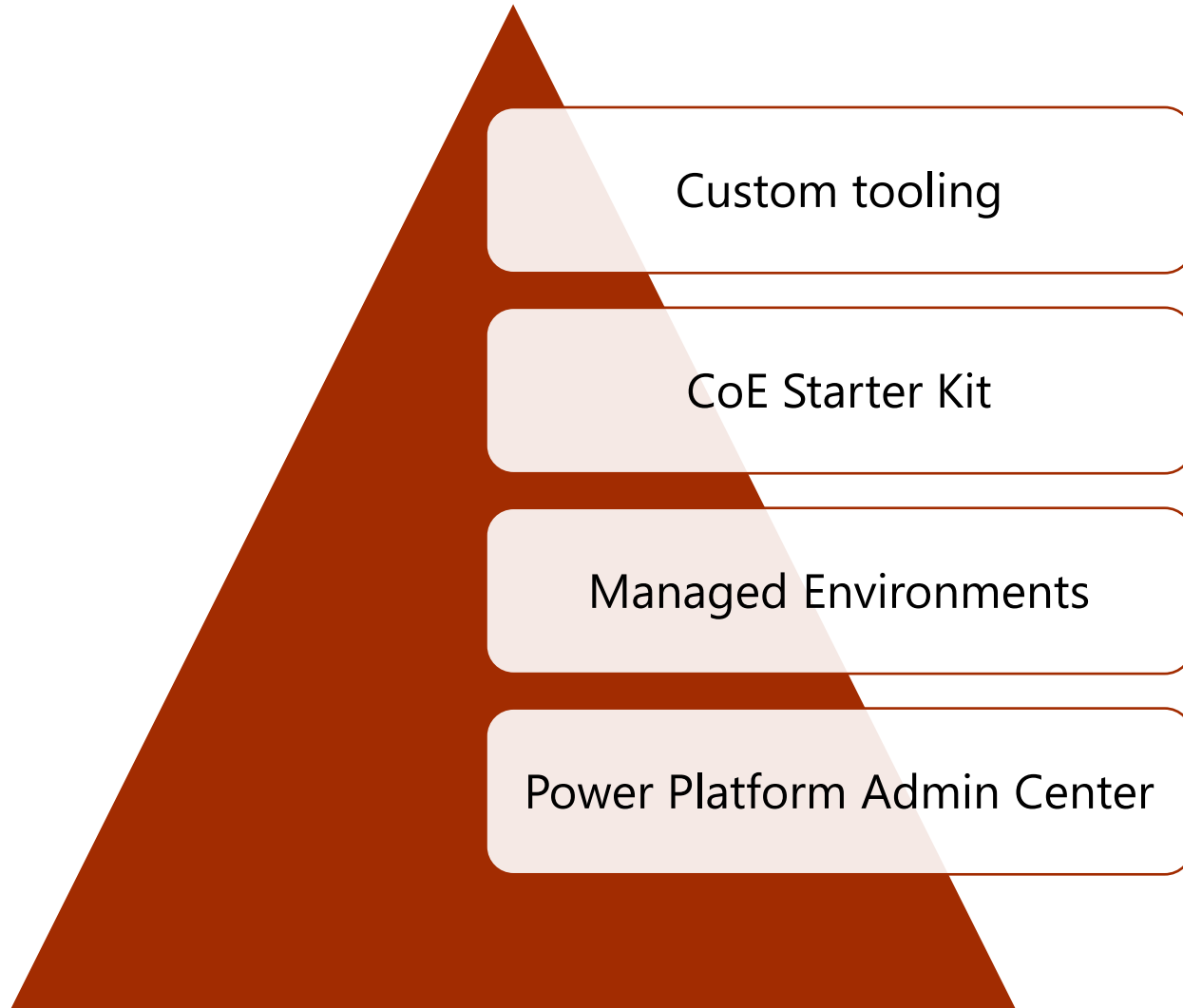
An open-source low code reference implementation of proven practices to get started, accelerate and nurture your Power Platform Adoption, based on years of customers experiences and feedback

<https://aka.ms/coeskme>

Getting Started: Start with the out of the box Power Platform Admin Center and Managed Environments. Explore the CoE Starter Kit and adopt workflows and insights to **augment your governance strategy**

On Going: Follow what's new in Managed Environments, and what innovations have been added to the COE Starter Kit (Influence by joining <https://aka.ms/coeofficehours>). Extend your toolbox with homegrown or 3rd party solutions where needed.

How to use the CoE Starter Kit alongside the product?



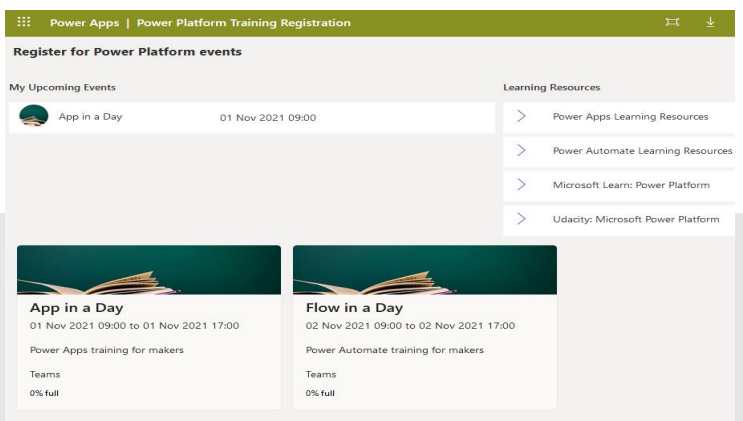
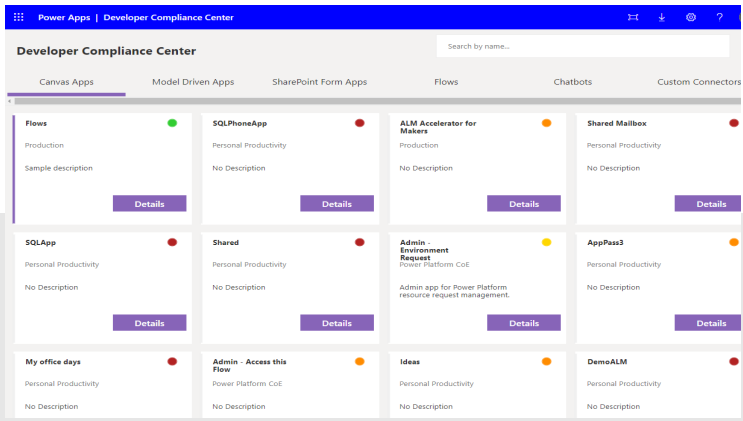
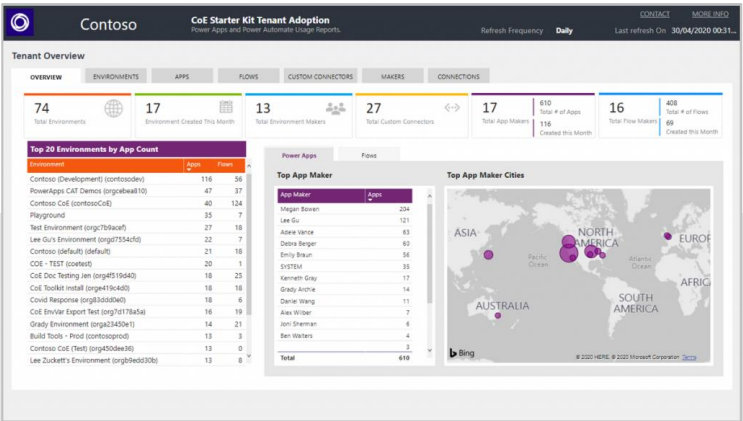
Start with the out of the box capabilities in Power Platform admin center and Managed Environments. Those capabilities are robust in the product and fully supported.

And if you discover you need more capabilities to govern your tenant, see if features in the CoE Starter Kit can **complement** what you get out of the box.

If that still doesn't meet your requirements, explore **extending and customizing** the CoE Starter Kit or building your own tooling from scratch.

Building Blocks

Center of Excellence Starter Kit



Admin

Gain Insights into your Power Platform adoption



Governance

Establish Audit, Compliance and Archive processes



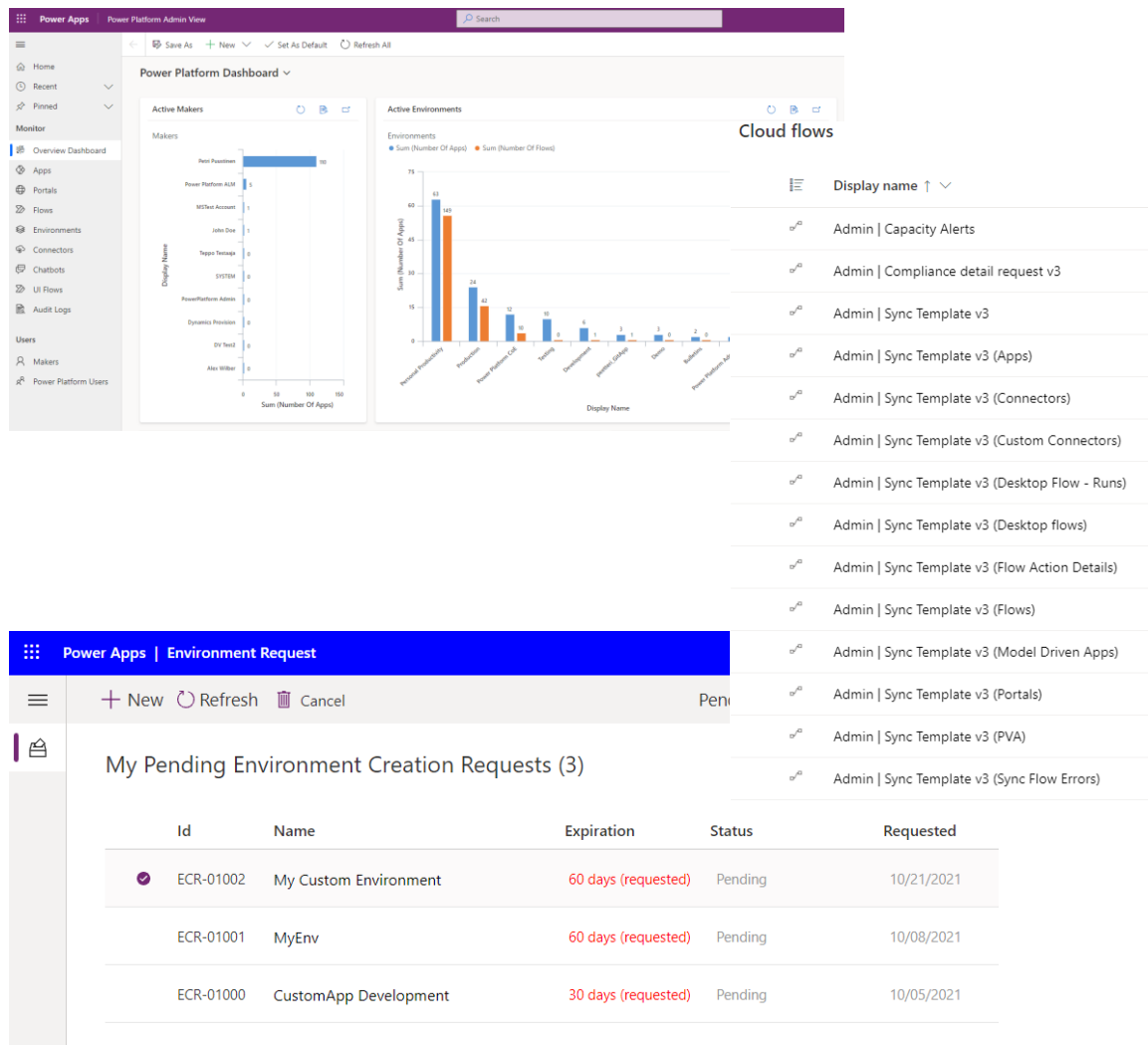
Nurture

Accelerate your adoption with a thriving community

Admin Components - Core

CoE Starter Kit Building Blocks

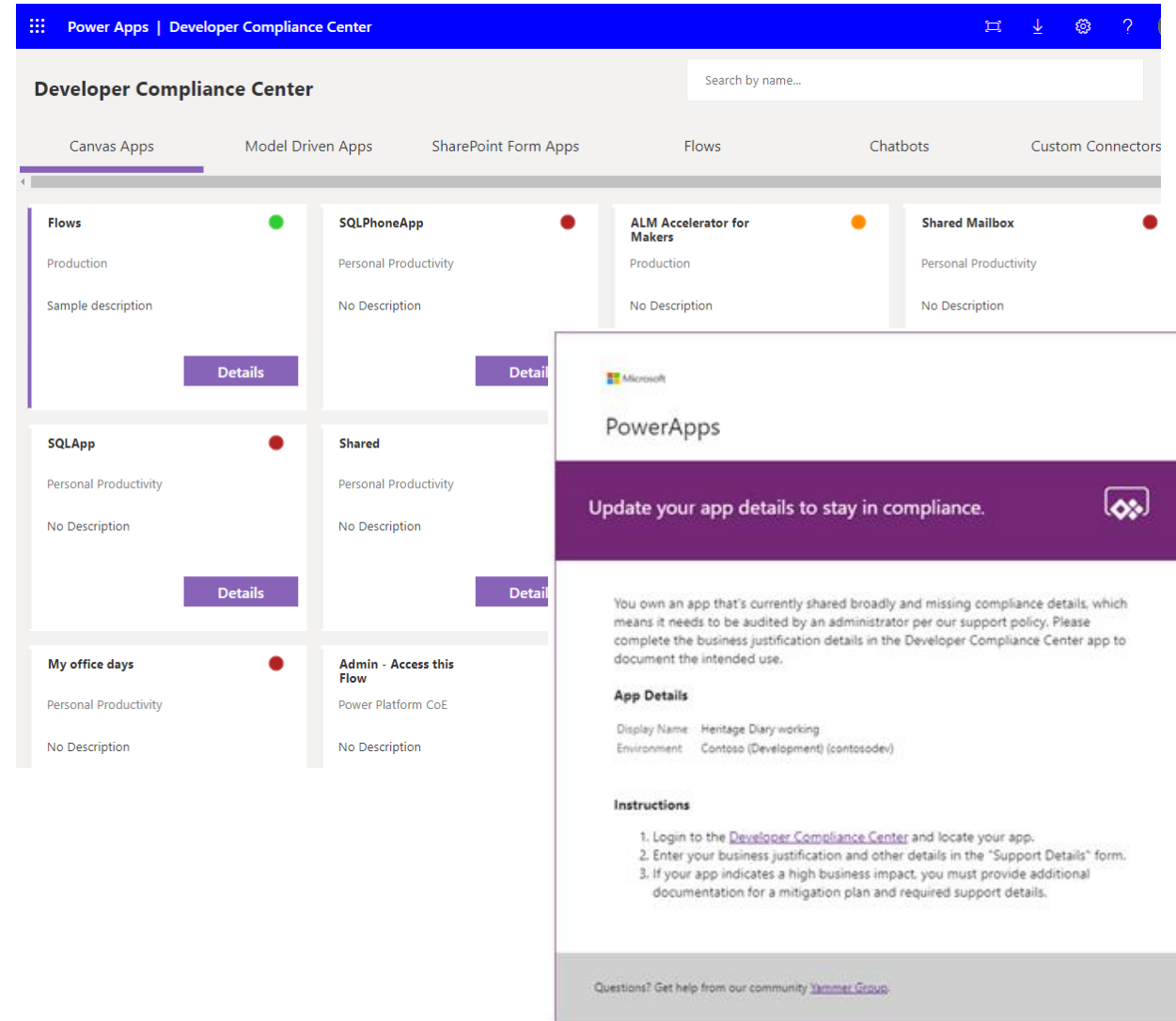
- Provides the core to get started with setting up a CoE – including Sync Flows to gather information about all your resources stored in Dataverse tables. Apps and reports built on top of that helps you get more visibility of what apps, flows, and makers are in your environment.
- Contains mainly assets relevant to admins but also provides foundation for some of the other CoE components like Governance and Nurture.



Governance Components – Audit & Compliance

CoE Starter Kit Building Blocks

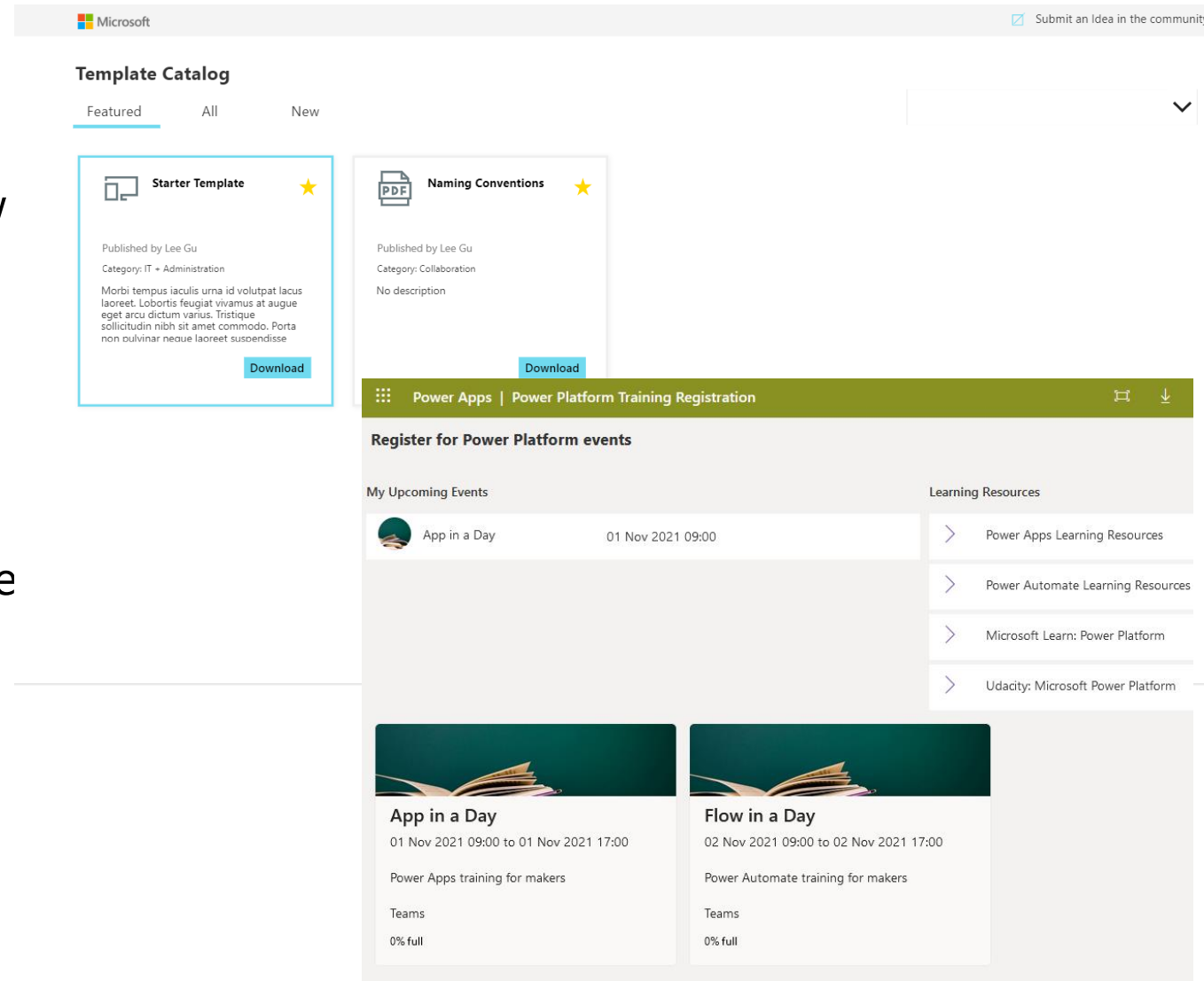
- After you've become familiar with your environment and resources, you might start thinking about audit and compliance processes for your apps.
- You might want to gather additional information about your apps from your makers or audit specific connectors or app usage. The apps and flows that are part of this solution help you get started.



Nurture Components - Learning

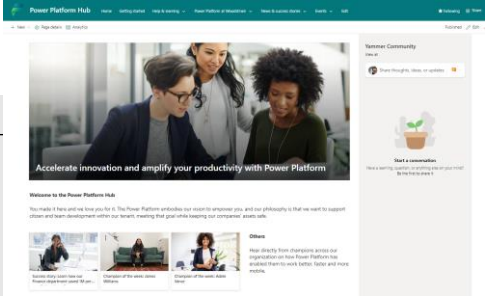
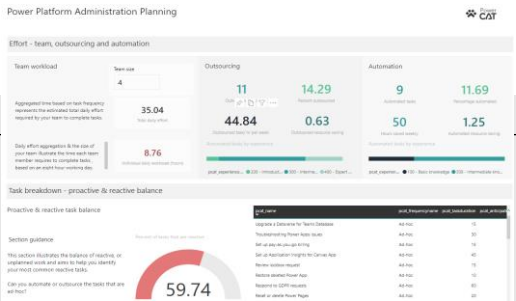
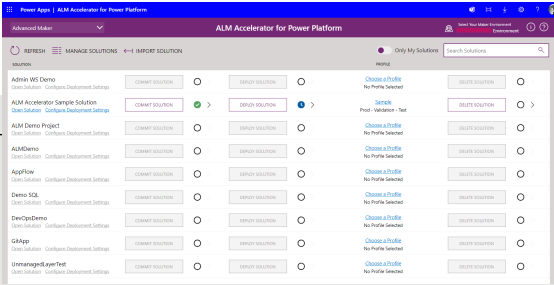
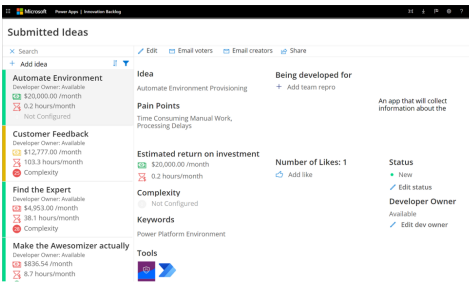
CoE Starter Kit Building Blocks

- An essential part of establishing a CoE is nurturing your makers and an internal community. You'll want to share best practices and templates and onboard new makers – the assets part of this solution can help develop a strategy for this motion.
- The Nurture Components solution contains assets relevant to everyone in the organization, admins, makers and end users of apps and flows.



Standalone Add-ons

Center of Excellence Starter Kit



Innovation Backlog

Submit ideas for apps and flows that need building



ALM Accelerator

Implement Application Lifecycle Management patterns and practices for source control



Administration Planning

Plan your team structure and review where you spend time and look for automation or innovation opportunities.



Power Platform Hub

Power Platform community and wiki for sharing success stories, upcoming events, rules of engagement and guidelines with your makers

Innovation Backlog - Ideas

CoE Starter Kit Standalone Add-ons

- Use the Innovation Backlog app to ask users to submit ideas for apps and flows that need building and describe pain points with the current process. As users describe the process, they'll provide information about personas involved, tools used, and measures for improvement. This information is then used to calculate an ROI and complexity score
- The theming components solution doesn't have a dependency on other components of the CoE Starter Kit, so it can be used independently.

The screenshot displays the 'Submitted Ideas' interface in the Microsoft Power Apps Innovation Backlog app. The interface is divided into a list view on the left and a detailed view on the right.

Submitted Ideas List:

Idea	Developer Owner	ROI	Hours	Complexity
Automate Environment	Available	\$20,000.00 /month	0.2 hours/month	Not Configured
Customer Feedback	Available	\$12,777.00 /month	103.3 hours/month	25
Find the Expert	Available	\$4,953.00 /month	38.1 hours/month	28
Make the Awesomizer actually	Available	\$836.54 /month	8.7 hours/month	-

Idea Details (Automate Environment):

- Idea:** Automate Environment Provisioning
- Pain Points:** Time Consuming Manual Work, Processing Delays
- Estimated return on investment:** \$20,000.00 /month, 0.2 hours/month
- Complexity:** Not Configured
- Keywords:** Power Platform Environment
- Tools:** (Visual Studio, Power Platform icons)

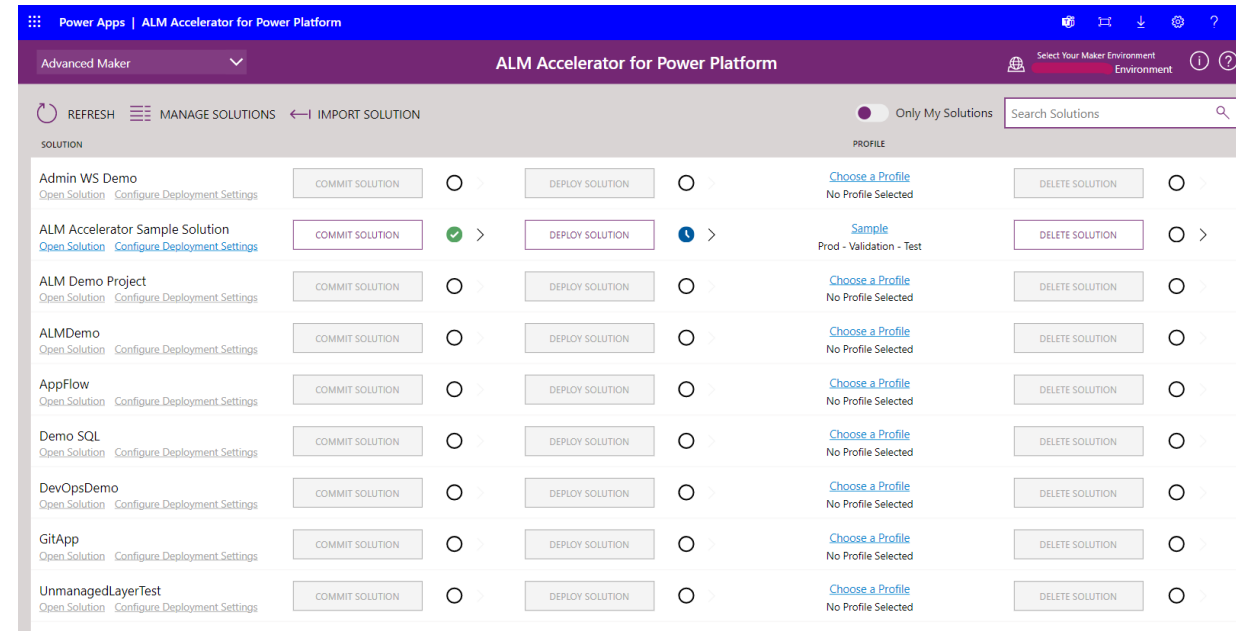
Additional Information:

- Being developed for:** + Add team repro
- Number of Likes:** 1 (Add like)
- Status:** New (Edit status)
- Developer Owner:** Available (Edit dev owner)
- Description:** An app that will collect information about the

ALM Accelerator for Power Platform (AA4PP)

CoE Starter Kit Standalone Add-ons

- Enable makers to apply source-control strategies with Azure DevOps, and use automated builds and deployment of solutions to their environments without the need for manual intervention by the maker, administrator, developer, or tester.
- Helps makers work without intimate knowledge of downstream technologies and switch quickly from developing solutions to source-controlling the solution and, ultimately, pushing their apps to other environments with as few interruptions to their work as possible.



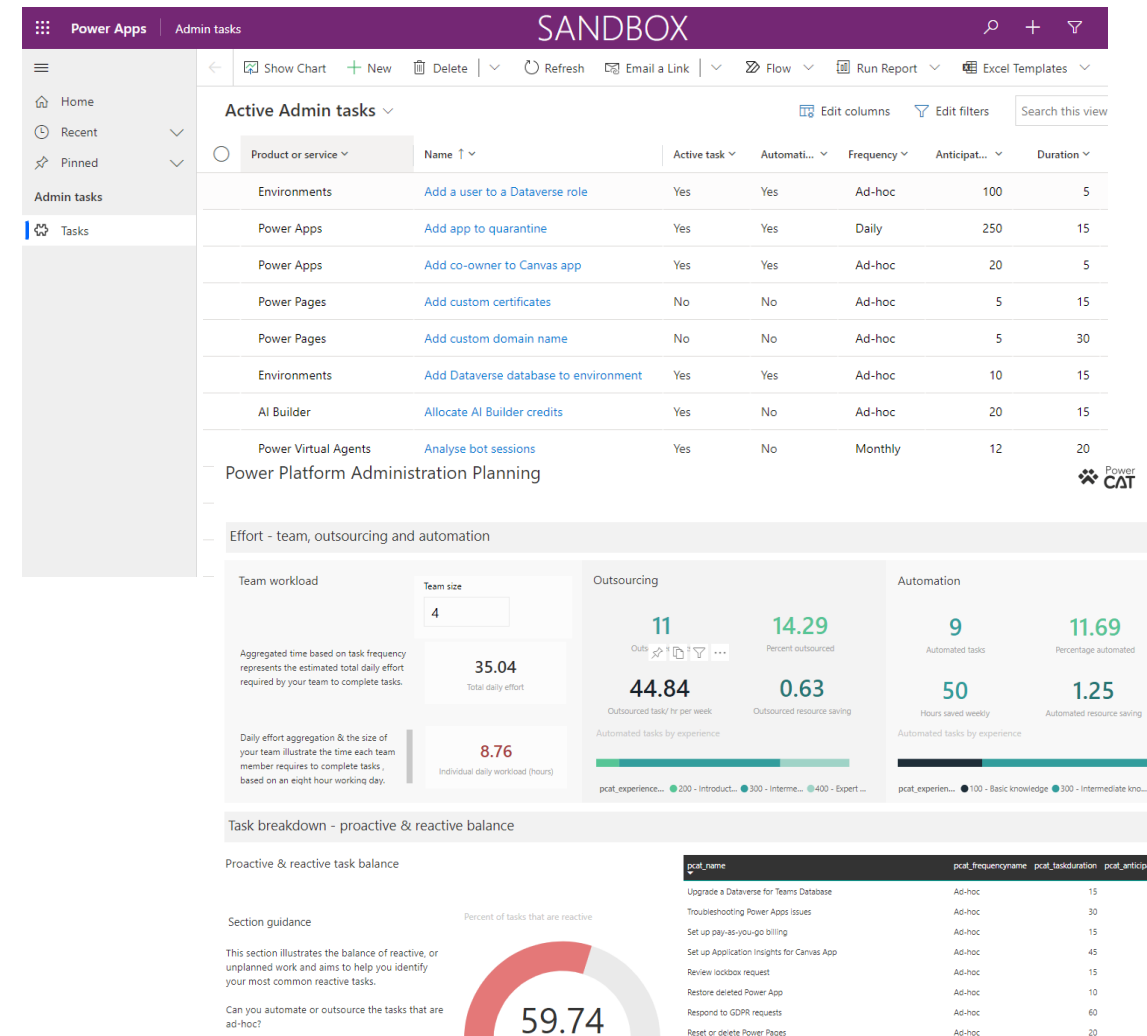
Administration Planning

CoE Starter Kit Standalone Add-ons

Behind the scenes, your IT and Center of Excellence team spends time configuring, managing and nurturing the adoption of Microsoft Power Platform. Understanding how that time is spent can help you plan who you need on your team and find the highest-impact opportunities to streamline the administrative effort.

Microsoft Power Platform administration planning is designed to help you:

- Better plan your team structure.
- Review where you spend time and look for automation or innovation opportunities.

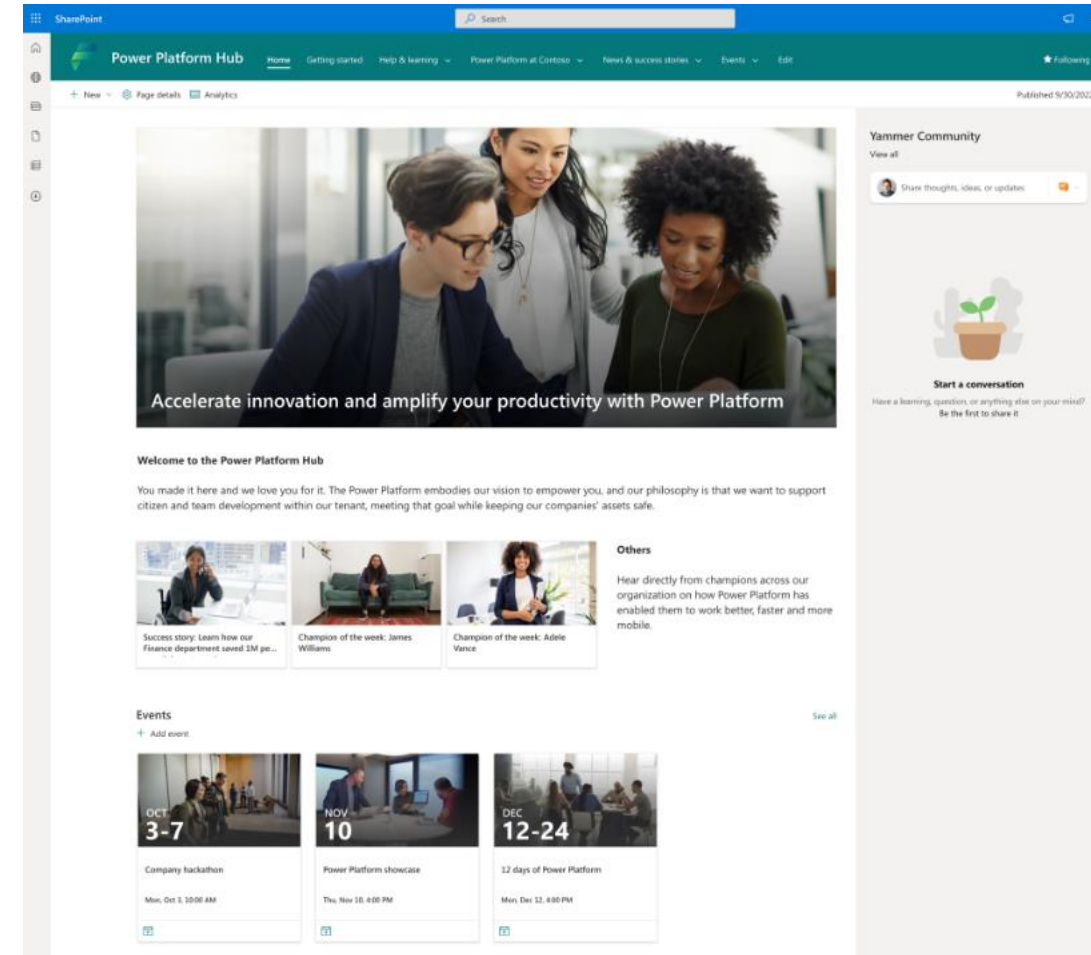


Power Platform Hub

CoE Starter Kit Standalone Add-ons

Your internal Power Platform community and wiki for sharing success stories, upcoming events, rules of engagement and guidelines with your makers. This site should be a one-stop shop for makers to find out everything they need about getting started with Microsoft Power Platform.

Custom SharePoint communication site template which provides you easy way to start building your own Power Platform community portal



<https://learn.microsoft.com/en-us/power-platform/guidance/adoption/wiki-community>

Documentation

Center of Excellence Starter Kit documentation can be found from

<https://docs.microsoft.com/en-us/power-platform/guidance/coe/starter-kit>

- Requirements and limitations
- Setup and how to use instructions
- Guidelines how update and extend the toolkit
- Detailed documentation of each component like individual Flows, Apps etc. of the CoE

The screenshot shows the Microsoft Docs page for the Power Platform Center of Excellence (CoE) Starter Kit. The page has a navigation sidebar on the left with a search bar and a list of topics. The main content area features the title 'Microsoft Power Platform Center of Excellence (CoE) Starter Kit', a date '07/08/2021', a reading time '2 minutes to read', and a group of user avatars. Below this is a paragraph describing the CoE and its purpose. Further down, there are four columns, each with an icon and a title: 'Overview' (compass icon), 'Admin' (grid icon), 'Govern' (gear icon), and 'Nurture' (rocket icon). Each column contains a brief description and a list of links (Overview, Motivation, Download for Overview; Set up, Use, Deep dive for Admin, Govern, and Nurture).

Microsoft | Docs | Documentation | Learn | Q&A | Code Samples

Docs / Power Platform / Power Platform guidance / Center of Excellence (CoE) Kit

Filter by title

- Power Platform guidance
 - > Adoption best practices
 - > Center of Excellence (CoE) Kit
 - Center of Excellence (CoE) Kit**
 - Overview
 - Establishing a Center of Excellence
 - > Set up the CoE Starter Kit
 - Get started with setup
 - Set up core components
 - Set up governance components
 - Set up nurture components
 - Collect audit log data
 - Set up Power BI report
 - Set up theming components
 - Set up Innovation Backlog components
 - Set up ALM Accelerator for Makers components
 - > What's in the CoE Starter Kit

Download PDF

Microsoft Power Platform Center of Excellence (CoE) Starter Kit

07/08/2021 • 2 minutes to read • +1

A Center of Excellence (CoE) in an organization drives innovation and improvement and brings together like-minded people with similar business goals to share knowledge and success, while at the same time providing standards, consistency, and governance to the organization.

The Microsoft Power Platform CoE Starter Kit is a collection of components and tools that are designed to help you get started with developing a strategy for adopting and supporting Microsoft Power Platform, with a focus on Power Apps, Power Automate, and Power Virtual Agents.

Overview

Define goals and expected outcomes of your CoE

- Overview
- Motivation
- Download

Admin

Gain insights into your Microsoft Power Platform adoption

- Set up
- Use
- Deep dive

Govern

Establish audit and compliance processes

- Set up
- Use
- Deep dive

Nurture

Accelerate your adoption by thriving with a community of makers

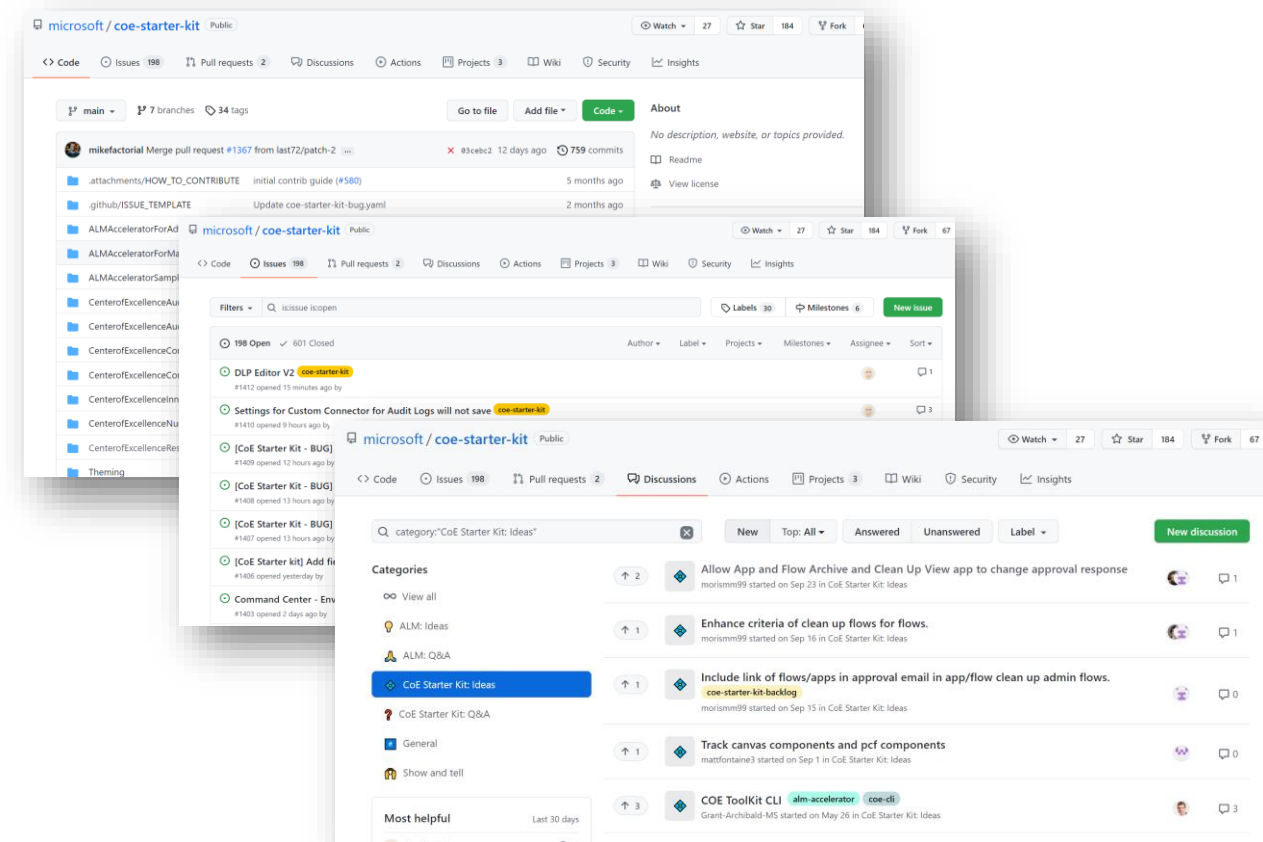
- Set up
- Use

GitHub Repo

Center of Excellence Starter Kit GitHub Repository can be found from

<https://github.com/microsoft/coe-starter-kit>

- Download latest and previous versions of CoE
- Report possible issues and get support (not officially supported by MS)
- Request new features
- Have a discussions and share ideas



Setup Prerequisites

Environment with a Dataverse or Dataverse for Teams instance, where the user installing the solution has the System Administrator security role

Admin Account

- Power Platform, Global or D365 Admin for access to all tenant resources through the Power Apps APIs
- This solution will work for environment admins, but the view will be restricted to only the environments an environment admin has access to
- Must be email enabled

Power Apps Premium license is required to be able to use CoE Power Apps.

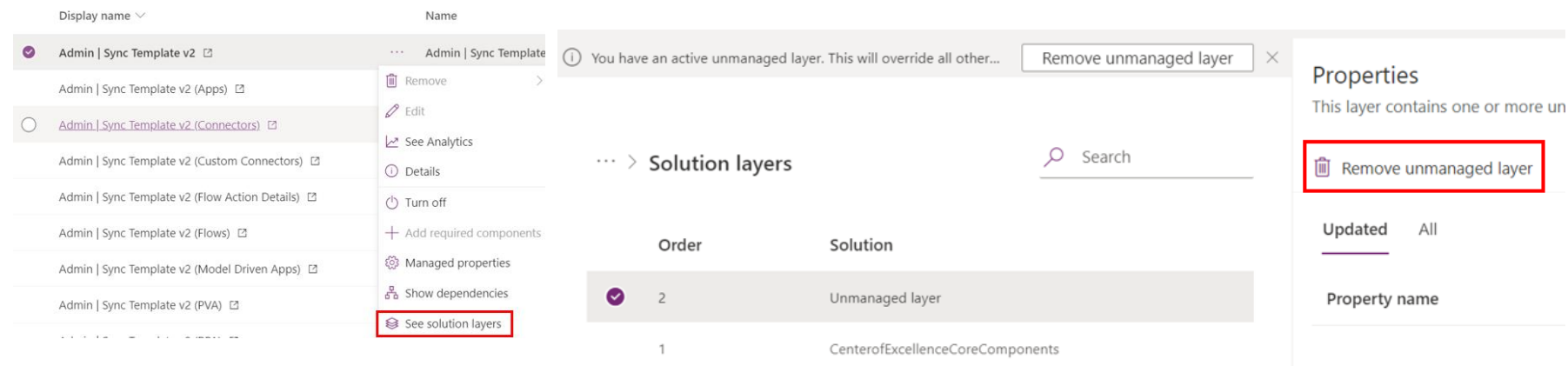
Power Automate Premium license is required for CoE Flows.

If DLP policy affects the environment where CoE is installed, then policy should allow all the connectors used in CoE components to be used together (all those connectors either in Business or Non-Business bucket). See full list of connectors used in CoE from [Setup Prerequisites](#).

<https://learn.microsoft.com/en-us/power-platform/guidance/coe/setup>

Installing Updates

- Periodically, the solution will receive updates with new features, bug fixes, or optimizations. These updates will be announced on the GitHub repo and in release notes.
- Updates can be downloaded from <https://aka.ms/CoEStarterKitDownload>
- We recommend upgrading the CoE Starter Kit solution at least every three months.
- Install the updates by importing the latest version to the environment where you originally installed the solution and select Upgrade to update the solution.
- **NOTE!** If you have made any changes to the Flows / Apps in the managed solution, they won't receive updates until you remove that unmanaged layer. For every Flow/App that you changed, go to the solution layers and remove it.



Extending Starter Kit

- When you're ready to extend the CoE Starter Kit with your own ideas, you'll do so by making modifications to the solution components in your own unmanaged solution.
- Choose components from the CoE Starter Kit you want to extend, add it to you unmanaged solution and then create copy of it. Remove the original CoE version of the app/flow from your solution. **NOTE**, not all components can be copied like parent flows calling child flows (most CoE flows uses child flows).
- Extend by making modifications to the copied component in the context of your new unmanaged solution.
- Deploy your solution to test and production.

<https://learn.microsoft.com/en-us/power-platform/guidance/coe/modify-components>

<https://learn.microsoft.com/en-us/power-platform/guidance/coe/modify-components#working-with-cloud-flows>

Extending Starter Kit - What components can I customize?

- Tables and model-driven apps support merging. These resources can easily be extended by creating your own unmanaged solution and making changes there (for example, adding new fields). During an upgrade, you'll receive our changes and also keep your changes.
- Canvas apps and cloud flows do not support merging. These resources can only be extended and customized by creating a copy in your own unmanaged solution. During an upgrade, you'll no longer receive our changes, which should be a deliberate choice in order to customize a process and make it fit to your organization.
- Cloud flows that are responsible for gathering inventory should not be customized. These flows are frequently updated to fix bugs, gather additional data, or improve performance. If you have additional requirements for what inventory to gather, raise a feature ask or create separate flows for your requirements.

<https://learn.microsoft.com/en-us/power-platform/guidance/coe/modify-components>

Limitations

CoE Starter Kit has some limitations you need to be aware of few most important listed here. See full list from the documentation

Security groups and approvals - We recommend against using security groups to control access to the CoE environment, because it's likely that users who don't have access to this environment will be participating in approvals

Long running flows – Inventory flow (Admin | Sync Template v3*) can be very resource expensive consuming lots of Power Platform requests. Larger tenants might require a Power Automate Per Flow license to complete in a timely manner.

Trial Licenses – Individual trial licenses (started by user) are not supported as they do not provide necessary performance related paging features required by CoE flows

Flows that are imported or owned by a service principal - The Admin | Sync Template v3 (Flows) flow will fail to collect inventory information for flows that were imported or are owned by a service principal.

Supported languages – CoE Starter Kit solutions are not localized, and only support English

<https://docs.microsoft.com/en-us/power-platform/guidance/coe/limitations>

Core Solution Deep Dive

Inventory – Sync Templates

Cloud Flows

Inventory flows gets resource-specific information about your tenant resources like environments, apps, flows, virtual agents. This data is stored in corresponding Dataverse tables

Most of these flows are triggered when the **Admin | Sync Template v3 (Driver)** flow runs and stores information about Power Platform environments

The first run of these flows will perform a full inventory of every Power Platform resource in your tenant and depending on the size of your tenant, these flows may take a long time to run

Admin Sync Template v3	Admin Sync Template v3	Cloud Flow
Admin Sync Template v3 (Ai Models)	Admin Sync Template v3 (Ai Models)	Cloud Flow
Admin Sync Template v3 (Apps)	Admin Sync Template v3 (Apps)	Cloud Flow
Admin Sync Template v3 (Business Process Flows)	Admin Sync Template v3 (Business Process Flows)	Cloud Flow
Admin Sync Template v3 (Call Updates)	Admin Sync Template v3 (Call Updates)	Cloud Flow
Admin Sync Template v3 (Connection Identities)..	Admin Sync Template v3 (Connection Identities)	Cloud Flow
Admin Sync Template v3 (Connectors)	Admin Sync Template v3 (Connectors)	Cloud Flow
Admin Sync Template v3 (Custom Connectors)	Admin Sync Template v3 (Custom Connectors)	Cloud Flow
Admin Sync Template v3 (Desktop Flow - Runs)	Admin Sync Template v3 (Desktop Flow - Runs)	Cloud Flow
Admin Sync Template v3 (Desktop flows)	Admin Sync Template v3 (Desktop flows)	Cloud Flow
Admin Sync Template v3 (Environment Properties)	Admin Sync Template v3 (Environment Properties)	Cloud Flow
Admin Sync Template v3 (Flow Action Details)	Admin Sync Template v3 (Flow Action Details)	Cloud Flow
Admin Sync Template v3 (Flows)	Admin Sync Template v3 (Flows)	Cloud Flow
Admin Sync Template v3 (Model Driven Apps)	Admin Sync Template v3 (Model Driven Apps)	Cloud Flow
Admin Sync Template v3 (Portals)	Admin Sync Template v3 (Portals)	Cloud Flow
Admin Sync Template v3 (PVA)	Admin Sync Template v3 (PVA)	Cloud Flow
Admin Sync Template v3 (Solutions)	Admin Sync Template v3 (Solutions)	Cloud Flow
Admin Sync Template v3 (Sync Flow Errors)	Admin Sync Template v3 (Sync Flow Errors)	Cloud Flow

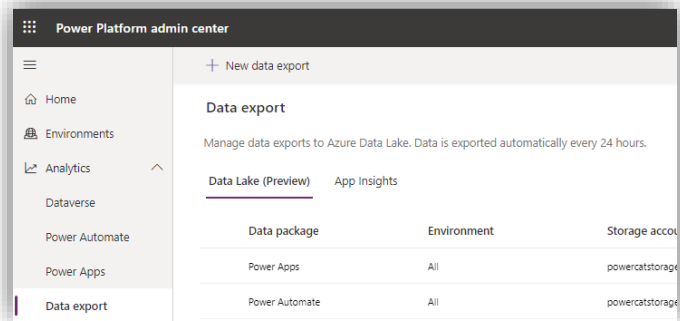
CoE Kit BYODL - Self-serve analytics architecture (Preview)

CoE Starter Kit Building Blocks

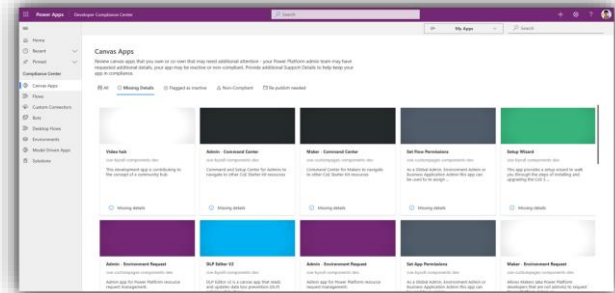
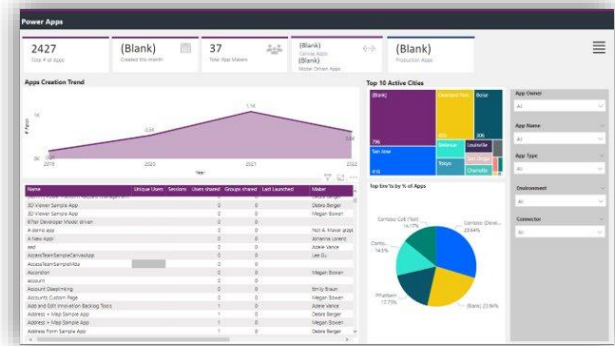
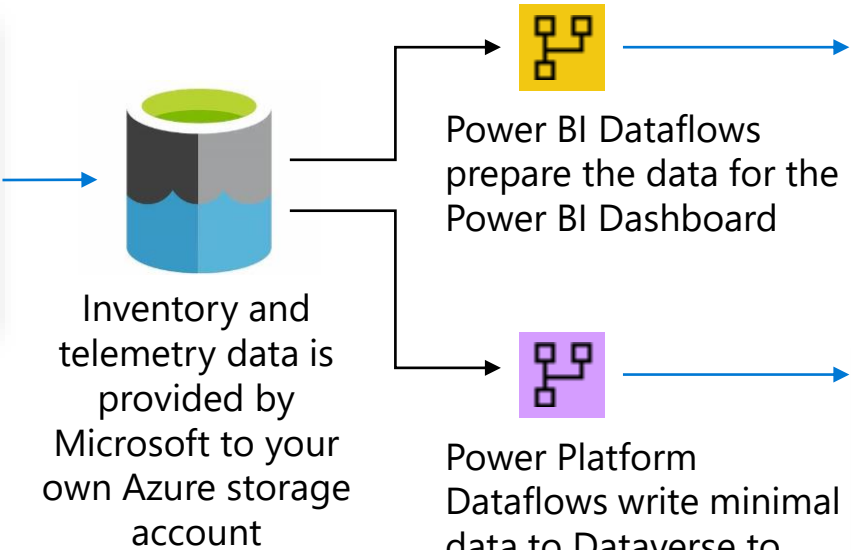
- CoE Kit Bring Your Own Data Lake (BYODL) option offers another way to gather information about Power Platform resources
- Currently supports Power Apps, Cloud Flows, Environments, Connections and usage data for Apps and Flows data for the CoE Kit utilizing inventory and telemetry data
- This offers much faster way to get inventory data compared to traditional cloud flows option which has had issues especially in large tenant with lots of Power Platform resources
- This requires Tenant-Level Analytics enabled in the tenant and Data Export (preview) configured to export inventory data from the platform to Azure Data Lake storage account
- Power BI and Power Platform Dataflows are used to fetch and transform data

CoE Kit BYODL - Self-serve analytics architecture (Preview)

CoE Starter Kit Building Blocks



Includes Environments, Power Apps, Cloud Flows, connections and usage of Apps and Cloud Flows



Dataverse Tables

The inventory flows of the CoE Starter Kit sync your tenant resources to the Dataverse tables.

All tables provide information about created by/on and modified by/on, in addition to resource-specific information.

Center of Excellence - Core Components > Tables















	Table ↑ ▾		Name ▾	Type ▾	Managed ▾	Customizable ▾
■	AIBuilderModel	⋮	admin_aibuildermodel	Standard	Yes	Yes
■	App Catalog Feedback	⋮	admin_appcatalogfeedback	Standard	Yes	Yes
■	Archive Approval	⋮	admin_archiveapproval	Standard	Yes	Yes
■	Audit Log	⋮	admin_auditlog	Standard	Yes	Yes
■	Business Process Flows	⋮	admin_businessprocessflo...	Standard	Yes	Yes
■	Chatbot Approval BPF	⋮	new_chatbotapprovalbpf	Standard	Yes	Yes
■	Cloud Flow Runs	⋮	cat_cloudflowruns	Standard	Yes	Yes
■	CoE Connection Reference	⋮	admin_connectionreference	Standard	Yes	Yes
■	COE Settings	⋮	admin_coesettings	Standard	Yes	Yes
■	CoE Solution Metadata	⋮	admin_coesolutionmetadata	Standard	Yes	Yes
■	Command Center Config	⋮	admin_commandcenterco...	Standard	Yes	Yes
■	Connection Reference Identity	⋮	admin_connectionreferenc...	Standard	Yes	Yes
■	Custom Connector Approval BPF	⋮	new_customconnectorapp...	Standard	Yes	Yes
■	Customized Email	⋮	admin_customizedemail	Standard	Yes	Yes
■	Dataverse Tables	⋮	admin_dataversetables	Standard	Yes	Yes
■	Desktop flow	⋮	admin_rpa	Standard	Yes	Yes
■	Desktop Flow Approval BPF	⋮	admin_desktopflowapprov...	Standard	Yes	Yes
■	DLP Policy	⋮	admin_dlppolicy	Standard	Yes	Yes
■	DLP Policy Change Request	⋮	coe_dlppolicychangerequ...	Standard	Yes	Yes
■	Environment	⋮	admin_environment	Standard	Yes	Yes
■	Environment Addons	⋮	admin_environmentaddons	Standard	Yes	Yes

Sync Templates – Cleanup Flows

Cloud Flows

Cleanup specific resources from the Dataverse tables like orphaned makers, Power Apps sharing information, and objects, which are in deleted states.

You can control what resources are really deleted or just marked as deleted using **Also Delete from CoE** environment variable (Yes/No). Default value is Yes

	CLEANUP - Admin Sync Template v3 (Check Deleted)
	CLEANUP - Admin Sync Template v3 (Connection Status)
	CLEANUP - Admin Sync Template v3 (Delete Bad Data)
	CLEANUP - Admin Sync Template v3 (Orphaned Makers)
	CLEANUP - Admin Sync Template v3 (Power Apps User Shared With)
	CLEANUP HELPER - Check Deleted (Ai Models)
	CLEANUP HELPER - Check Deleted (Business Process Flows)
	CLEANUP HELPER - Check Deleted (Canvas Apps)
	CLEANUP HELPER - Check Deleted (Cloud Flows)
	CLEANUP HELPER - Check Deleted (Custom Connectors)
	CLEANUP HELPER - Check Deleted (Model Driven Apps)
	CLEANUP HELPER - Check Deleted (PVA)
	CLEANUP HELPER - Check Deleted (Solutions)
	CLEANUP HELPER - Power Apps User Shared With

Environment Variables

Core Component contains following environment variables, which are used to define and control certain CoE functionalities and settings. Few examples are:

- **Admin eMail** - Email address used in flows to send notifications to admins; should be either your email address or a distribution list
- **Power Automate environment variable** - The URL used by flow for your region
- **Also Delete from CoE** - Recommend Yes here to delete objects from the CoE inventory when they're deleted from the tenant. No will keep a record that an app or flow existed in the past
- **Graph URL Environment Variable** - REQUIRED. The URL used to get graph information for your cloud. Ex <https://graph.microsoft.com>

Some can be set during the solution import, and some might be needed to update afterwards depending which CoE components will be used.

Environment variables can be set in **new solution view** but not updated. To change the value use **Admin – Command Center** canvas app (recommended) or default solution.

<https://learn.microsoft.com/en-us/power-platform/guidance/coe/setup-core-components#all-environment-variables>

Center of Excellence - Core Components > Environment variables

	Display name ↑
	Admin eMail
	Admin eMail Preferred Language
	Also Delete From CoE
	Command Center - Application Client ID
	Command Center - Client Azure Secret
	Command Center - Client Secret
	Community URL
	Compliance – Apps – Number Days Since Published
	Compliance – Apps – Number Groups Shared
	Compliance – Apps – Number Launches Last 30 Days
	Compliance – Apps - Number Users Shared
	Compliance – Chatbots – Number Launches
	DelayInventory
	Developer Compliance Center URL
	eMail Body Start
	eMail Body Stop
	eMail Header Style
	Env Request - Enable Cost Tracking
	Environment Request Admin App Uri
	Exclude Default environment from Compliance Request flows
	FullInventory

Security Roles

Power Platform Admin SR

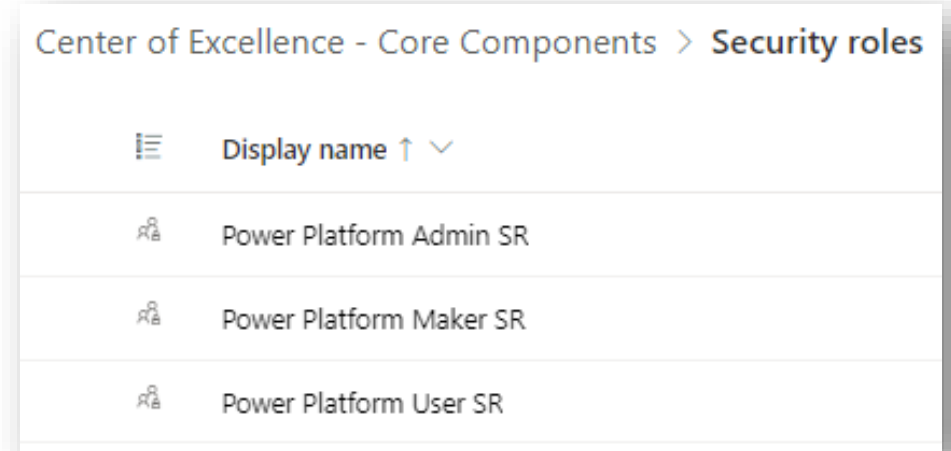
Gives full access to create, read, write, and delete operations on the custom tables





Power Platform Maker SR

Gives read and write access to the custom tables (environments, apps, and so on)

Power Platform User SR

Gives read-only access to the resources in the custom tables

A screenshot of the 'Security roles' page in the Power Platform admin center. The breadcrumb navigation at the top reads 'Center of Excellence - Core Components > Security roles'. Below the navigation is a table with three rows. Each row has a small icon on the left and a text label on the right. The icons are a shield with a keyhole, representing security roles. The text labels are 'Power Platform Admin SR', 'Power Platform Maker SR', and 'Power Platform User SR'. Above the table, there is a header with a list icon and the text 'Display name' followed by an upward arrow and a downward arrow, indicating a sort function.

Center of Excellence - Core Components > Security roles	
	Display name ↑ ↓
	Power Platform Admin SR
	Power Platform Maker SR
	Power Platform User SR

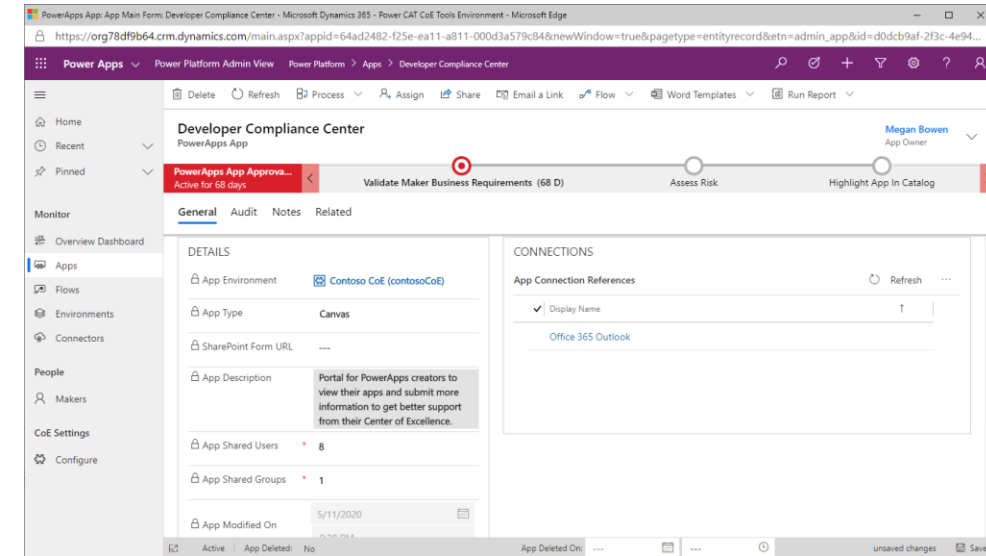
Power Platform Admin View

Model-Driven App

Provides an interface used to browse items in Dataverse custom tables. It provides access to views and forms for the custom tables in the solution.

Use this app to:

- Get a quick overview of resources in your tenant
- Learn about your makers, connectors, apps, and flows
- Find out who apps are shared with
- Add additional information, such as notes and risk assessments, to your resources
- Set approved capacity for environments, and see capacity and add-on information per environment
- Complete app audits



Compliance Detail Request

Cloud Flow

Automatically initiated for Canvas Apps and Chatbots when Admin | Compliance detail request v3 flow is enabled. Thresholds of the following rules are configurable using environment variables

Canvas Apps:

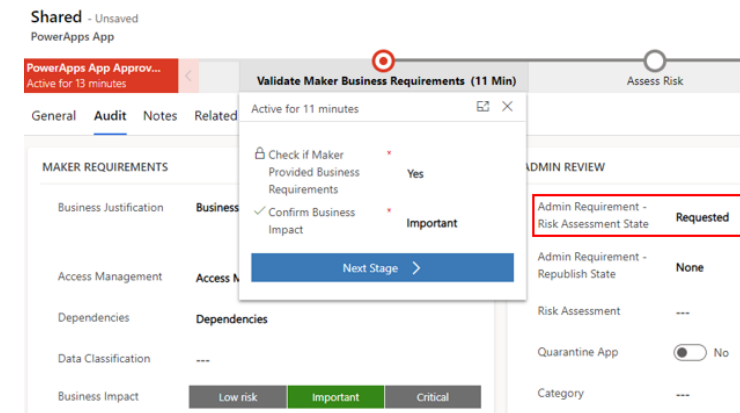
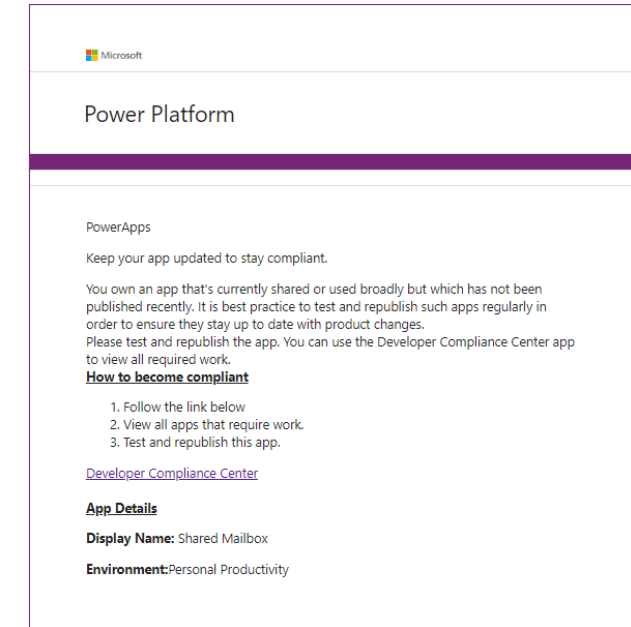
- Shared > 20 users or > 1 group, no business justification details provided.
- Business justification provided but not published since 60 days (sends email notification to owner)
- Business justification provided and an indication of high business impact, but no mitigation plan attached.

Chatbots:

- Launched > 50 times and no business justification details have been provided for it.
- Business justification details provided and an indication of high business impact, but no mitigation plan attached

Starts Approval BPF for PowerApps and Chatbots if Risk Assessment State is None or Requested (by admin)

NOTE, These features requires CoE Governance component to be deployed and configured in your environment



Compliance Detail Request – Initiated by Admin

Cloud Flows

Admins can manually request compliance details update for following resources

- Canvas Apps
- Chatbots
- Flows
- Desktop Flows
- Custom Connectors

Sends compliance related emails to users when Admin Risk Assessment State is set to Requested

The screenshot shows the 'Validate Maker Business Requirements' step in the PowerApps App compliance process. The interface includes a progress bar at the top with three stages: 'PowerApps App Approval' (Active for 13 minutes), 'Validate Maker Business Requirements (11 Min)' (Active for 11 minutes), and 'Assess Risk'. The 'Validate Maker Business Requirements' step is currently active. Below the progress bar, there are tabs for 'General', 'Audit', 'Notes', and 'Related'. The 'General' tab is selected, showing a list of requirements: 'Business Justification', 'Access Management', 'Dependencies', 'Data Classification', and 'Business Impact'. The 'Business Justification' requirement is highlighted, and a modal window is open for it. The modal window contains a 'Check if Maker' checkbox, a 'Provided Business Requirements' dropdown set to 'Yes', and a 'Confirm Business Impact' dropdown set to 'Important'. A 'Next Stage' button is visible at the bottom of the modal. On the right side of the interface, there is an 'ADMIN REVIEW' section with a table showing the 'Admin Requirement - Risk Assessment State' as 'Requested'.

The screenshot shows a compliance email template from Microsoft. The header includes the Microsoft logo and the text 'Power Platform'. The main body of the email states: 'Your admin needs details about your broadly shared app. You own an app that's currently shared or used broadly and missing compliance details, which means it needs to be audited by an administrator per our support policy. Please complete the business justification details in the Developer Compliance Center app to document the intended use.' Below this, there is a section titled 'How to become compliant' with a list of 9 steps: 1. Follow the link below, 2. Add a description to your app, 3. Provide a business justification, 4. Iterate the solution's dependencies, 5. Provide details on the solution's access management, 6. Select the business impact, 7. Select the data classification, 8. Provide a Mitigation plan in the form of an attachment, 9. Update the 'Mitigation plan provided' toggle to 'Yes'. A link to the 'Developer Compliance Center' is provided. At the bottom, there is a section titled 'App Details' with the following information: 'Display Name: PremiumApp' and 'Environment: Demo Team'.

NOTE, These features requires CoE Governance component to be deployed and configured in your environment

DLP Impact Analysis

Model-Driven App

Reads and updates Data Loss Prevention (DLP) policies while showing a list of apps and flows that are impacted by the policy configurations.

Use this app to:

- Make changes to DLP policies
- See impact each change will have
- Export impacted apps/flows to CSV file
- Copy DLP policies

The screenshot shows the 'DLP Impact Analysis' app in a 'SANDBOX' environment. The left sidebar contains navigation options: Home, Recent, Pinned, Data policy impact analysis, Impact Analysis (selected), and Non-compliant task list. The main area is titled 'DLP Impact Analysis > Edit Policy' and features a vertical menu with steps: Policy Name, Connectors, Scope, Environments, Impact Analysis (selected), and Review. The 'Impact Analysis' section displays a table of impacted apps and flows.

Impacted Apps (3)			Impacted Flows (22)		
View Impact	Email Maker	Name	Owner	Environment	Last modified on
		Demo App	CoE Account	Development	9/6/2023 2:23:58 PM
		Consent	Admin Account	Personal Productivity	11/1/2023 8:33:26 PM
		DLP Testing	CoE Account	AutomationKit	9/22/2023 2:03:50 PM

Below the table, there is a search bar with the letter 'S' and a dropdown arrow. To the right of the search bar is a close button (X). Below the search bar, there is a list of policy names with a copy icon and a right arrow next to each. The first policy is 'Demo DLP policy'. To the right of this list is a purple button labeled 'Copy Policy'.

es. Select an existing DLP Policy, ve on existing apps and flows re menu to view all DLP policies i.

Copy selected DLP Policy

Copy the selected policy to a new policy by entering a policy name and selecting the 'Copy Policy' button

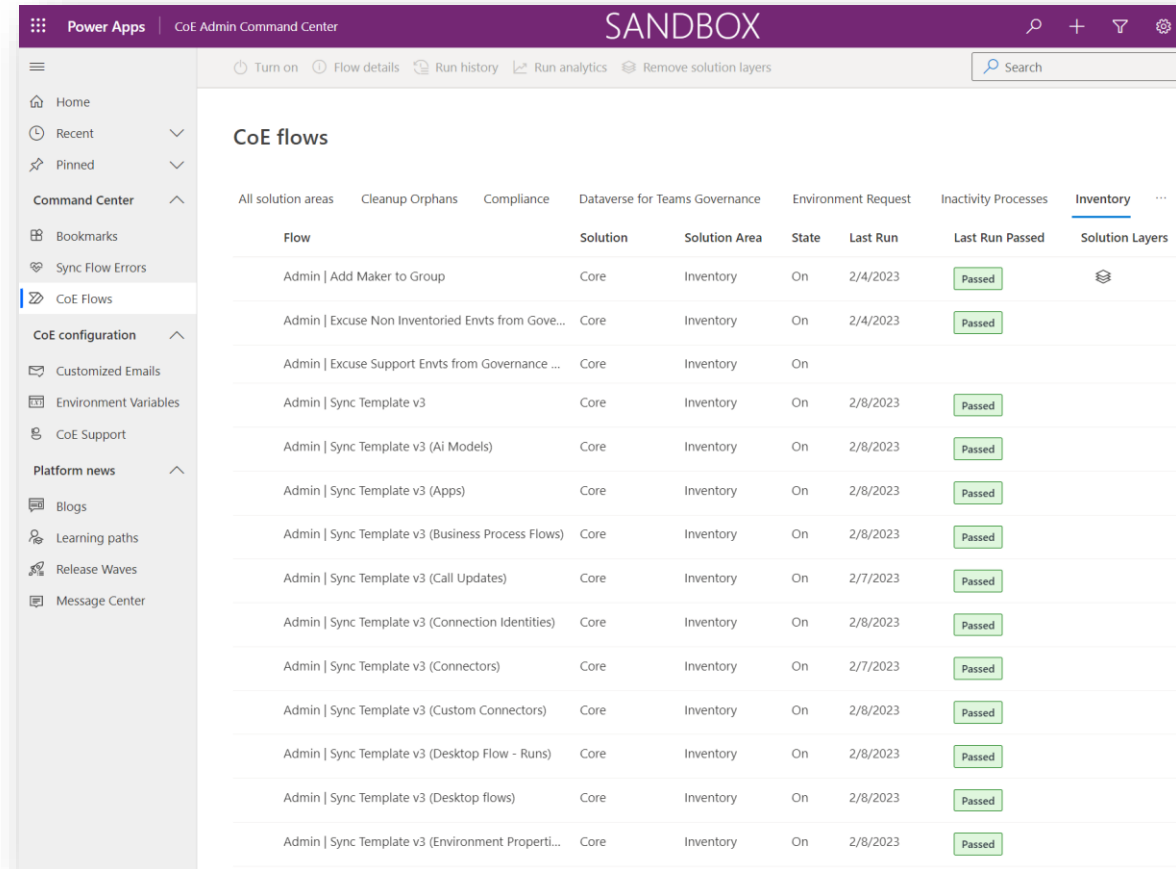
CoE Admin Command Center

Model-Driven App

Used by admins as a starting point to launch other apps in the CoE Starter Kit and review content relevant to admins.

Use this app to:

- Launch CoE Starter Kit apps and other bookmarks
- Review CoE Starter Kit service health by checking sync flows that have recently failed
- Update environment variables used in the CoE Starter Kit
- View Microsoft 365 Message Center news related to Microsoft Power Platform
- Download the latest CoE Starter Kit version and raise support tickets with the team
- Launch Microsoft Learn learning paths to learn more about Microsoft Power Platform
- Launch the latest posts of the Power Apps, Power Automate, Power BI and Power Virtual Agent blogs



The screenshot displays the 'CoE Admin Command Center' interface in a 'SANDBOX' environment. The left sidebar contains navigation options: Home, Recent, Pinned, Command Center (expanded), Bookmarks, Sync Flow Errors, CoE Flows (selected), CoE configuration, Customized Emails, Environment Variables, CoE Support, Platform news, Blogs, Learning paths, Release Waves, and Message Center. The main content area shows a table of 'CoE flows' with columns for Flow, Solution, Solution Area, State, Last Run, Last Run Passed, and Solution Layers. The table lists various sync flows, all of which are in the 'On' state and have a 'Passed' status.

Flow	Solution	Solution Area	State	Last Run	Last Run Passed	Solution Layers
Admin Add Maker to Group	Core	Inventory	On	2/4/2023	Passed	
Admin Excuse Non Inventoried Envts from Gove...	Core	Inventory	On	2/4/2023	Passed	
Admin Excuse Support Envts from Governance ...	Core	Inventory	On			
Admin Sync Template v3	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Ai Models)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Apps)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Business Process Flows)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Call Updates)	Core	Inventory	On	2/7/2023	Passed	
Admin Sync Template v3 (Connection Identities)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Connectors)	Core	Inventory	On	2/7/2023	Passed	
Admin Sync Template v3 (Custom Connectors)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Desktop Flow - Runs)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Desktop flows)	Core	Inventory	On	2/8/2023	Passed	
Admin Sync Template v3 (Environment Properti...	Core	Inventory	On	2/8/2023	Passed	

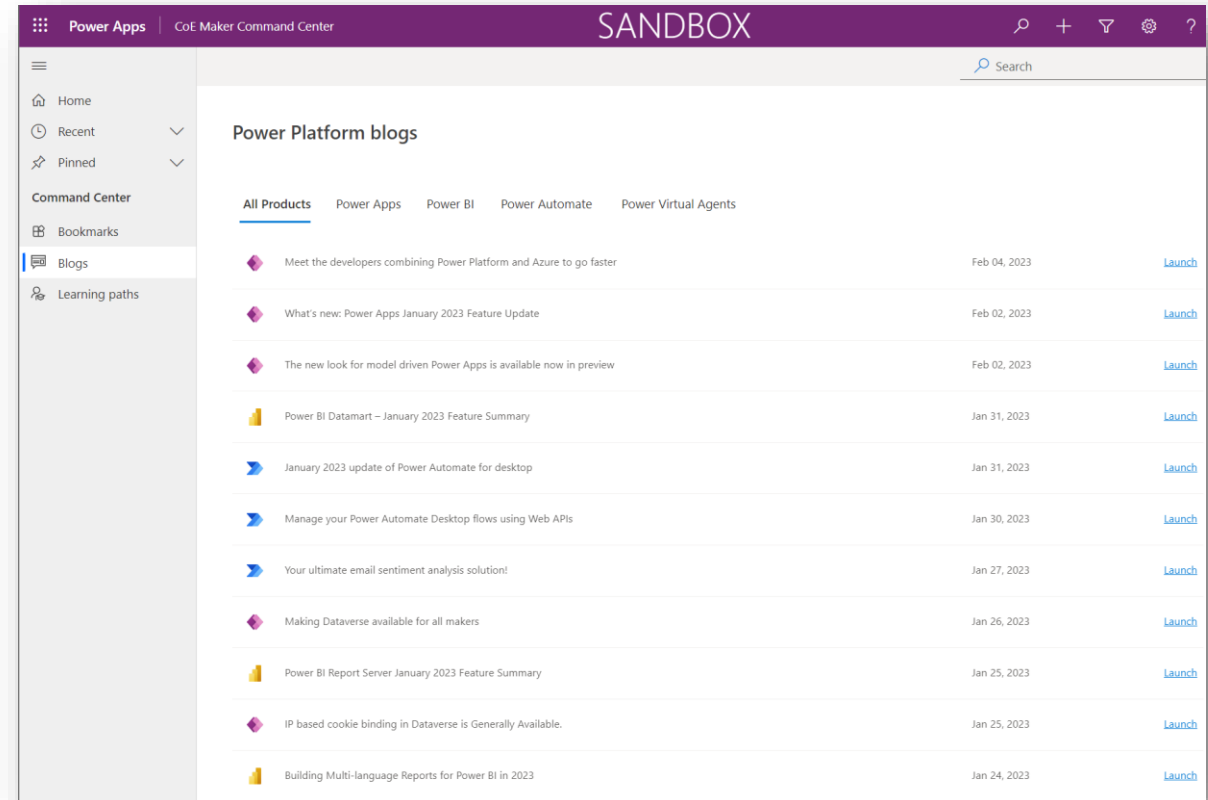
CoE Maker Command Center

Model-Driven App

Used by makers as a starting point to launch apps which admins have published using Admin – Command Center and are relevant to makers like App Catalog and Environment Request

Use this app to:

- Launch CoE Starter Kit apps and other bookmarks published by admins
- Launch Microsoft Learn learning paths to learn more about Microsoft Power Platform
- Launch the latest posts of the Power Apps, Power Automate, Power BI and Power Virtual Agent blogs



Environment Request

Canvas App

Designed to easily submit Power Platform resource requests

Use this app to:

- Submit new and view your existing environment creation requests
- Expiration timeline and link to the live environments can be found here
- Request DLP policy change, at the moment only **apply a policy to an environment** is available

The image displays three screenshots of the 'Power Apps | Environment Request' canvas app interface.

Top Screenshot: New Environment Creation Request

This screen shows the 'New Environment Creation Request' form. On the left, a table titled 'My Pending Environment Creation Requests (1)' contains one entry:

Id	Name	Expiration
ECR-01003	Demo Environment	None

The main form on the right includes the following fields:

- Name ***: Text input with 'My Test'.
- Type ***: Dropdown menu with 'Sandbox' selected.
- Region**: Dropdown menu with 'Europe (default)' selected.
- Purpose ***: Text input.
- Automatically delete environment after use?**: Toggle switch set to 'Yes'.
- How long is the environment needed? ***: Dropdown menu with '30 days' selected.
- Create a database for this environment?**: Toggle switch set to 'Yes'.

Middle Screenshot: New DLP Policy Change Request

This screen shows the 'New DLP Policy Change Request' form. On the left, a table titled 'My Pending DLP Policy Change Requests (0)' is empty.

The main form on the right includes the following fields:

- Action Requested ***: Dropdown menu with 'Apply a Policy to an Environment' selected.
- Policy ***: Text input with 'Demo Policy'.
- Environment ***: Text input with 'Test (test-env2)'.
- Reason**: Text input.

Bottom Screenshot: Pending DLP Policy Change Requests

This screen shows a list of pending DLP policy change requests. The table titled 'My Pending DLP Policy Change Requests (1)' contains one entry:

Id	Action	Policy	Environment	Status	Requested
PCR-1000	Apply a Policy to an En...	Demo Policy	Preview Features U...	Pending	10/24/2022

Admin – Environment Request

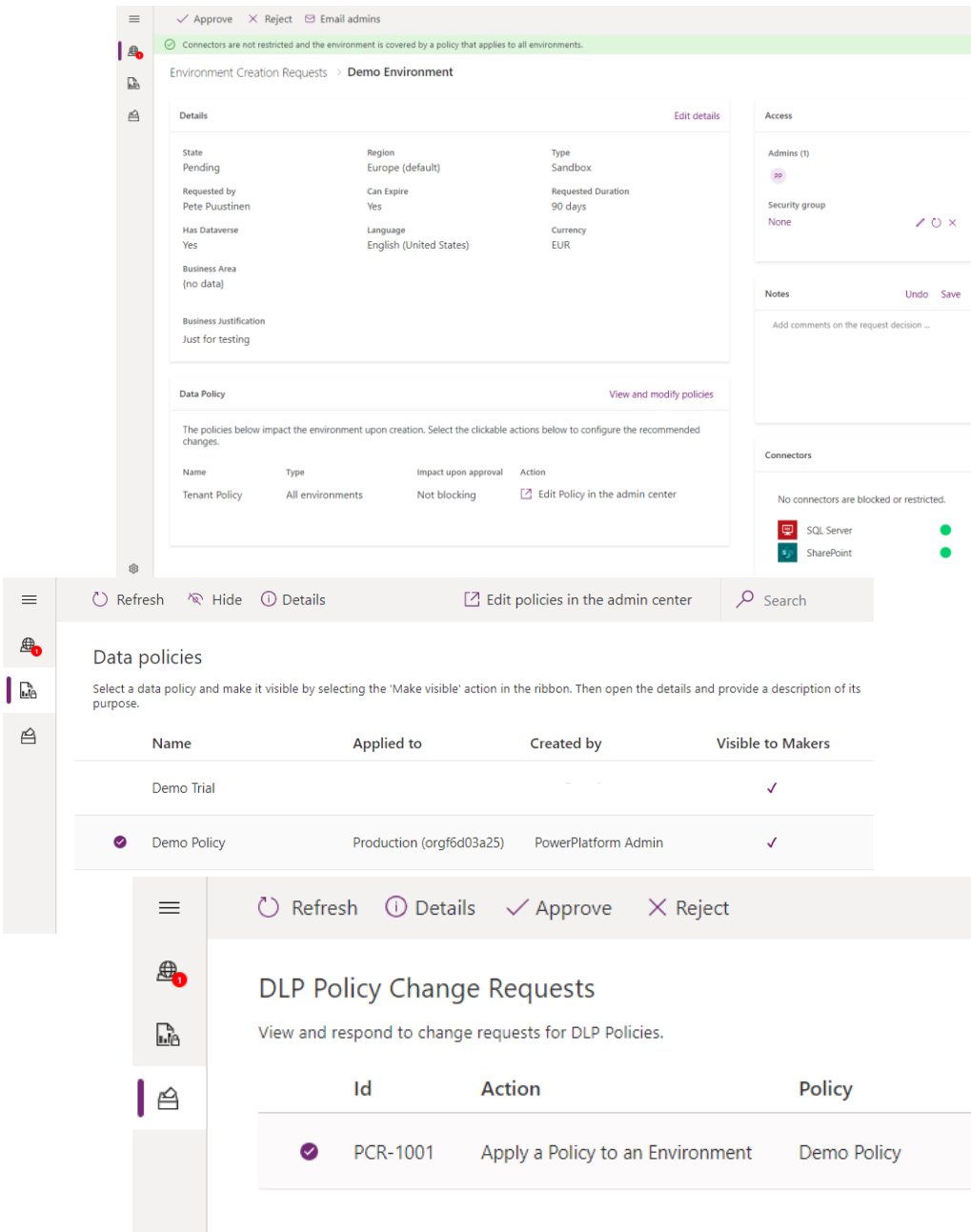
Canvas App

Used by admins to view and approve/reject requests to create or modify Power Platform Environments

Supports environment creation requests changes to DLP policies are logged in the DLP Policy Change Request table.

Use this app to:

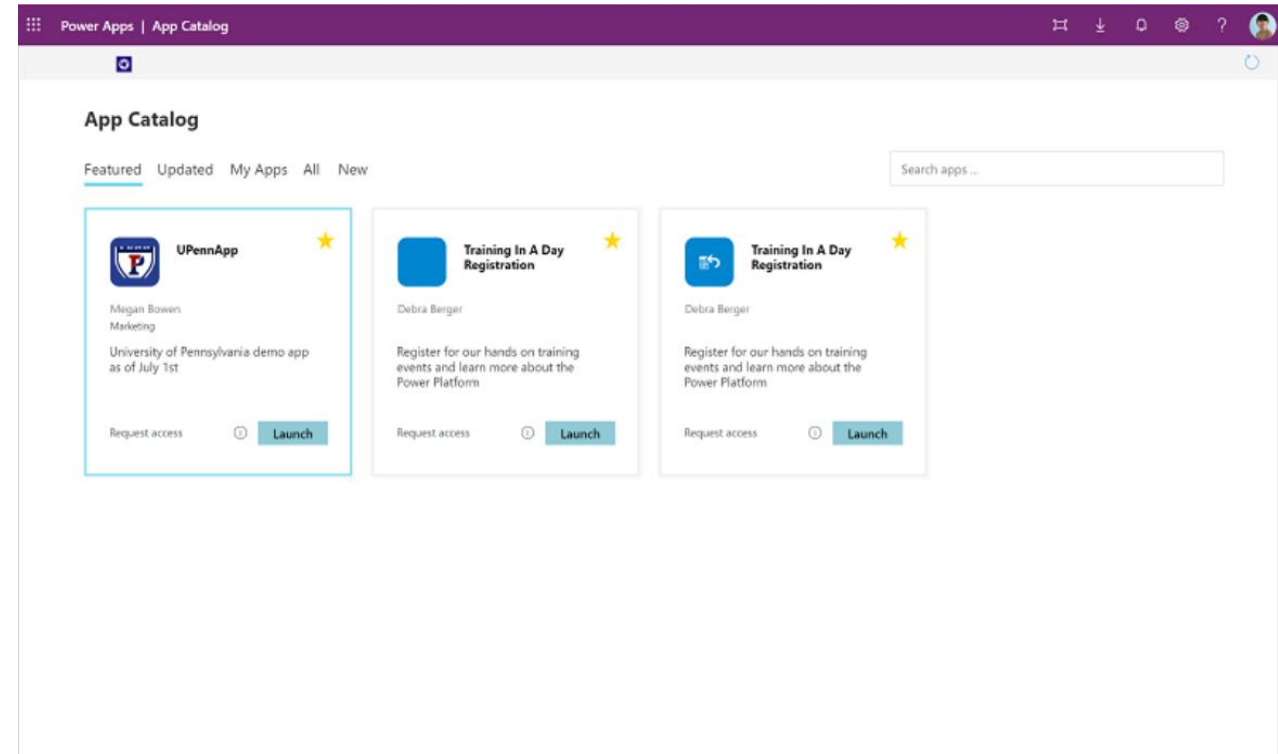
- View all Environment creation requests in detail
- Approve or reject environment creation requests
- View if connectors will be blocked or restricted by existing or modified DLP Policies. Modifications made in the app will update those Policies.
- Define which DLP policies are visible to users for creating DLP policy change request
- Approve or reject DLP policy change requests



App Catalog

Canvas App

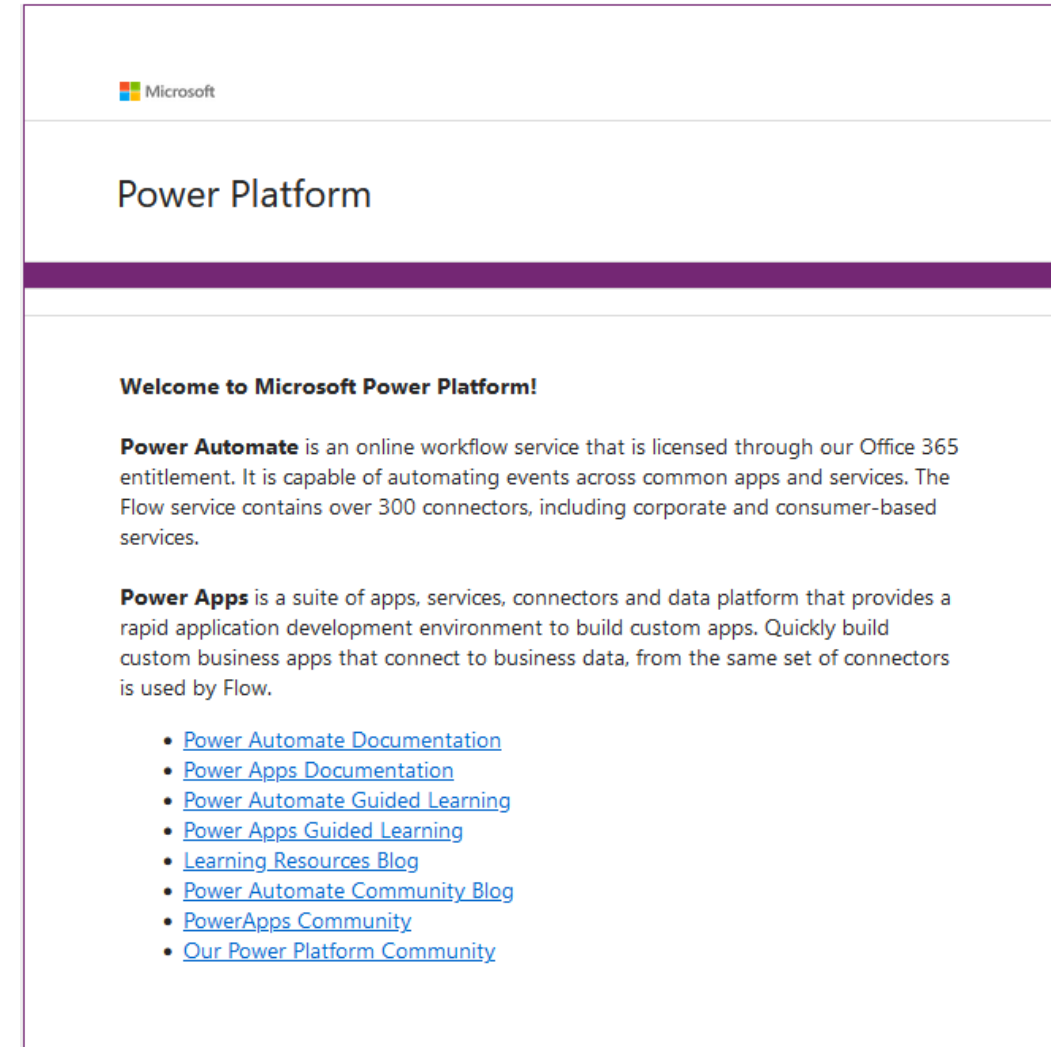
- Helps give visibility to certain apps in the organization
- Admins can choose which apps to highlight in the app catalog if the app meets admin requirements and is meant to be shared broadly.
- To publish an app to the app catalog, follow the app auditing process in the Power Platform Admin View app.



Welcome Email

Cloud Flow

- This flow sends an email to a user who created an app, flow, custom connector, or environment.
- Gets triggered when a new record is created in the maker table.
- You can customize the email sent out by the flow.



Get Power Apps and Flow events from Office 365 Audit Log

Audit Log

Fetch following Power Platform events from Office 365 Audit Log (Microsoft Purview)

- Launch App
- Delete App
- Delete Flow

Launch App events are stored in CoE AuditLog table and used in the Power BI reports for unique users, sessions and last launched info

Delete App/Flow events flag app or flow deleted and sets the deletion time in CoE PowerApps and Flows tables

Display Name	Owner	Unique Users	Sessions	Last Launched	Users Shared	Groups	Environment
PowerBI	Pete P...	2	10	1/25/2023	0	0	Production
Admin - Access this App [works embedd...	Pete P...	1	5	1/18/2023	0	0	CoE
Admin - Access this App_202210050300	Pete P...	1	7	10/7/2022	0	0	CoE Kit
Admin - Access this Flow_202210050300	Pete P...	1	7	1/18/2023	0	0	CoE Kit
Admin - Command Center	Pete P...	1	2	9/22/2022	0	0	CoE Kit - Teams
Admin - Command Center	Pete P...	1	25	2/1/2023	0	0	CoE Kit
Admin - Command Center	Power...	1	8	10/31/2022	0	0	Power CoE
Admin - Environment Request	Pete P...	1	1	10/24/2022	0	0	CoE Kit
ALM Accelerator Admin Configuration	Pete P...	1	1	11/8/2022	0	0	CoE Kit
ALM Accelerator for Makers	Pete P...	1	1	11/8/2022	0	0	CoE Kit
ALM Accelerator for Power Platform	Pete P...	1	17	10/23/2022	0	0	Power CoE
App and Flow Inactivity Notifications Cle...	Pete P...	1	8	10/19/2022	0	0	CoE Kit
App Catalog	Pete P...	1	3	12/16/2022	0	0	CoE
Canvas Template	Pete P...	1	2	1/15/2023	0	0	HKI Demo
Canvas Template	Pete P...	1	13	1/16/2023	0	0	Production
Cleanup Old Objects App	Pete P...	1	3	10/19/2022	0	0	CoE Kit
Copy Flows	Pete P...	1	1	1/18/2023	0	0	PowerHelpers
Copy Solution Flows	Pete P...	1	15	11/18/2022	0	0	CoE Kit
Copy Solution Flows	Pete P...	1	1	12/16/2022	0	0	CoE
Copy Solution Flows_Restored202212230...	Pete P...	1	4	12/23/2022	0	0	CoE-SW2
Demo 3	Pete P...	1	1	10/12/2022	1	0	Power CoE
Developer Compliance Center	Pete P...	1	7	10/25/2022	0	0	CoE Kit

Admin | Audit Logs | Office 365 Management API Subscription

Cloud Flow

This flow is used to start the Office 365 Management API subscription. This need to be done before API calls can be made from the CoE Kit flows

You can also stop and list existing subscription(s)

CoE Kit > Cloud flows > Admin | Audit Logs | Office 365 Management API Subscription

Details

Edit

Flow	Status
Admin Audit Logs Office 365 Management API Subscription	Off
Description	Created
Set up the http app registration in order to gather audit logs for canvas app operations directly through http rather than through the custom connector. Use only for sync flow architecture, not for BYODL	May 18, 11:50 AM
	Modified
	May 18, 11:50 AM
	Type
	Instant
	Plan
	The user who runs the flow

Admin | Audit Logs | Sync Audit Logs (V2)

Cloud Flow

Runs once per hour fetching all Audit Log events from past 60 minutes

Office 365 Management API does not support filtering of events, so flow does the filtering and processes only the events used in CoE Kit

Requires that Office 365 Management API subscription is configured

CoE Kit > Cloud flows > Admin | Audit Logs | Sync Audit Logs (V2)

Details

Edit

Flow

Admin | Audit Logs | Sync Audit Logs (V2)

Description

Gather audit logs for canvas app operations directly through http rather than through the custom connector. Use only for sync flow architecture, not for BYODL

Status

Off

Created

May 18, 11:50 AM

Modified

May 18, 11:50 AM

Type

Scheduled

Plan

This flow runs on owner's plan

28-day run history ⓘ

Edit columns

↺ All runs

When your flow runs, you'll see its history here.

Admin | Audit Logs | Load events from exported Audit Log CSV file

Cloud Flow

Flow to import old Launch Power App events from the Office 365 Audit Log

Audit Log events need to be exported from Office 365 Audit Log to CSV file which is then uploaded to this flow

CoE Kit > Cloud flows > Admin | Audit Logs | Load events from exported Audit Log CSV file

Details

Edit

Flow	Status
Admin Audit Logs Load events from exported Audit Log CSV file	Off
Description	Created
Export historic canvas app launch operations from the office audit logs and import here to get a backlog of usage. Use only for sync flow architecture, not for BYODL	May 18, 11:50 AM
	Modified
	May 18, 11:50 AM
	Type
	Instant
	Plan
	The user who runs the flow

Environment Variables

Name	Description	Values
Audit Logs - Audience	The audience parameter for the HTTP calls.	Commercial (Default): https://manage.office.com GCC: https://manage-gcc.office.com GCC High: https://manage.office365.us DoD: https://manage.protection.apps.mil
Audit Logs - Authority	The authority field in the HTTP calls.	Commercial (Default): https://login.windows.net GCC: https://login.windows.net GCC High: https://login.microsoftonline.us DoD: https://login.microsoftonline.us
Audit Logs - ClientID	App registration Client ID.	The application Client ID from the Create an Azure AD app registration for the Office 365 Management API step.
Audit Logs - Client Secret	App registration client secret in plain text.	The application Client Secret from the Create an Azure AD app registration for the Office 365 Management API step. Leave empty if you're using Azure Key Vault to store your client ID and secret.
Audit Logs - Client Azure Secret	Azure Key Vault reference of the App registration client secret.	The Azure Key Vault reference for the application client secret from the Create an Azure AD app registration for the Office 365 Management API step. Leave empty if you're storing your client ID in plain text in the Audit Logs - Client Secret environment variable. This variable expects the Azure Key Vault reference, not the secret. Learn more: Use Azure Key Vault secrets in environment variables

CoE Power BI Dashboards

CoE Dashboard

Provides a holistic view with visualizations and insights into resources in your tenant: Environments, Apps, Flows, Connectors, Connections, Audit Log, Makers etc.

Telemetry from the audit log is stored from the moment you set up the CoE Starter Kit, so over time you can look back and identify trends for longer than 28 days.



CoE Governance Dashboard

Governance dashboard highlights governance, compliance and security insights, allows you to gain a high-level view into your adoption and provides a tech debt report of the Default environment.



Administration Planning

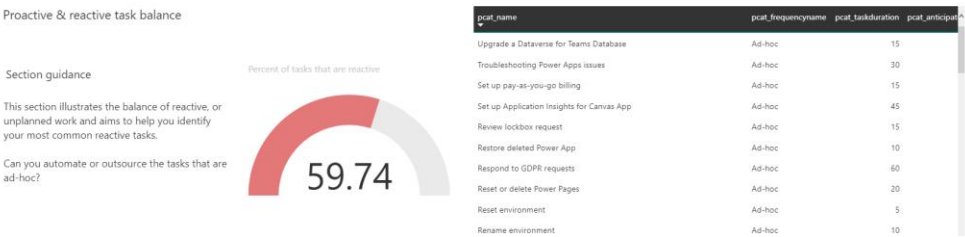
Administration Planning dashboard provides visualizations and insights into what your administration story looks like, based on your task metadata.

You can work directly with the Power BI (.pbit) file and Power BI Desktop to configure and modify the Power BI dashboard to reflect your own branding, and include or exclude visuals that you want to see in the dashboard.

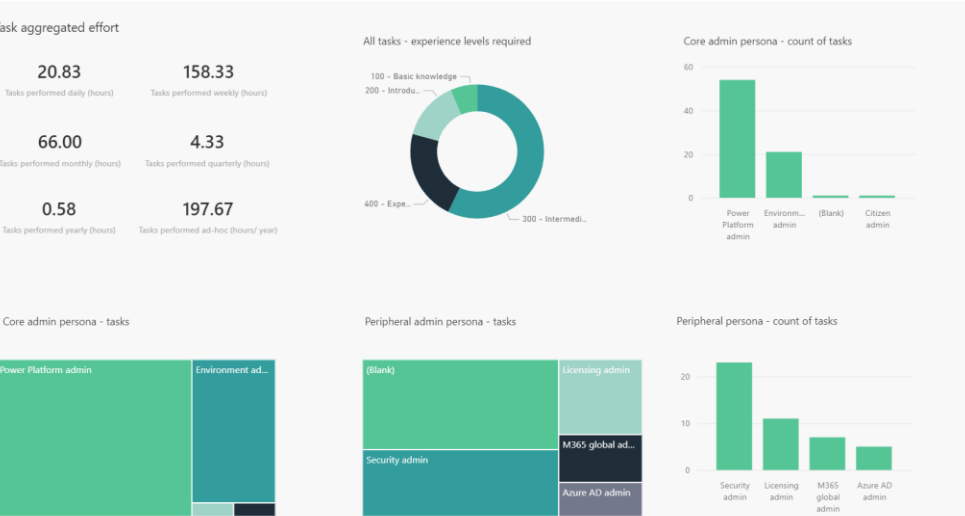
Effort - team, outsourcing and automation



Task breakdown - proactive & reactive balance



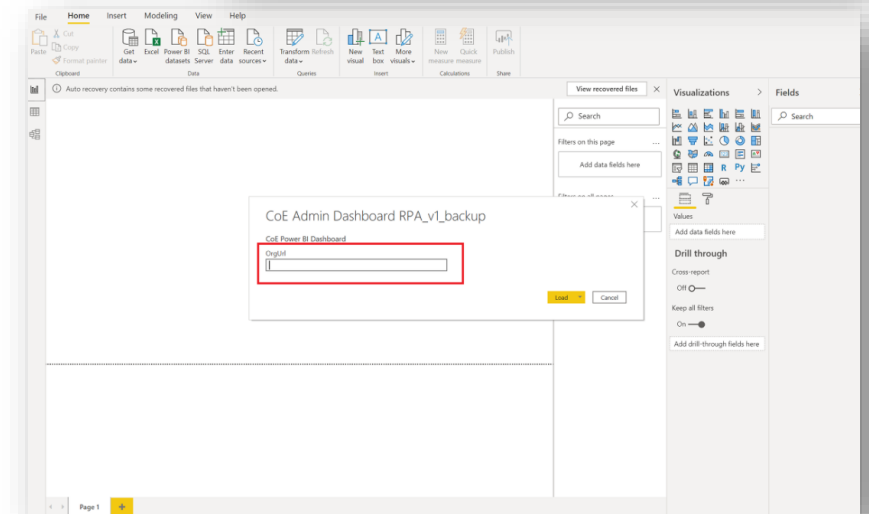
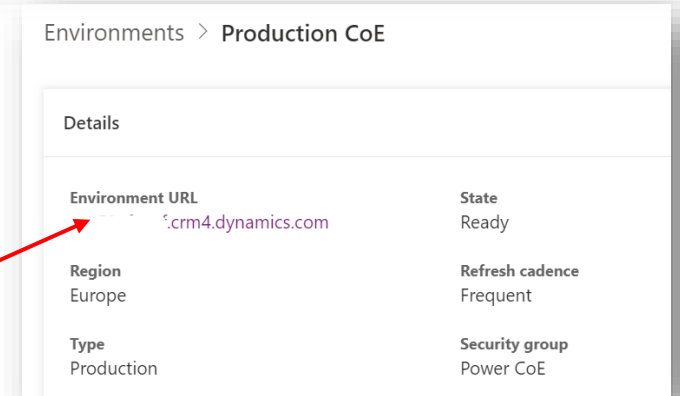
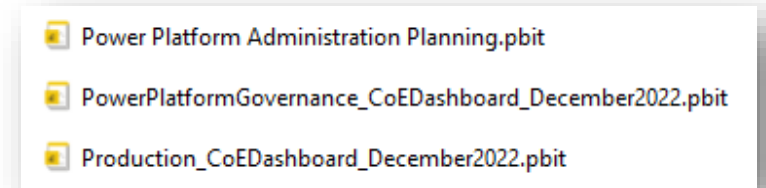
Team breakdown - experience & personas



Configure Power BI Dashboards

You can configure and modify the Power BI dashboard by working directly with the Power BI (.pbit) file and Power BI Desktop. This gives you flexibility in terms of modifying the dashboard to your own branding and including (or excluding) pages or visuals you want to see (or not see) in the dashboard.

1. Download and install Microsoft Power BI Desktop.
2. Open the dashboard *.pbit file to Power BI Desktop
3. Copy CoE environment url from the Power Platform Admin Center (PPAC)
4. When configuring **CoE Dashboard** or **CoE Governance Dashboard**, paste the environment URL with https:// prefix
5. When configuring **Power Platform Administration Planning Dashboard**, then paste the environment URL without https:// prefix



Questions?

LAB – CoE Starter Kit Core and Audit Log solutions

Lab Description

- Install and configure CoE Starter Kit Core solution
- Register Azure AD service principal and configure Office 365 Management API custom connector
- Install and configure CoE Starter Kit Audit Log solution

LAB – CoE Starter Kit Power BI Dashboard

Lab Description

- Configure Power BI Dashboard
- Install and use embedded Apps for Power BI Dashboard

