

App in a Day

Microsoft Power Platform

Power Apps

Power Automate

Microsoft Dataverse

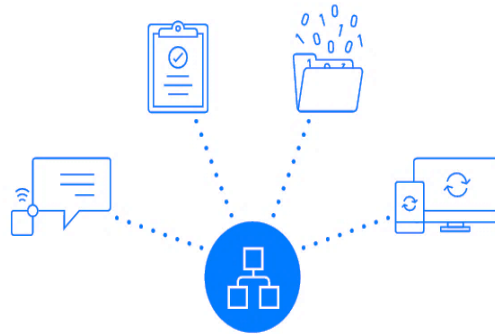
Introduction

Module 4: Power Automate, Cloud Flows

Power Automate is a service for automating workflows across apps and services



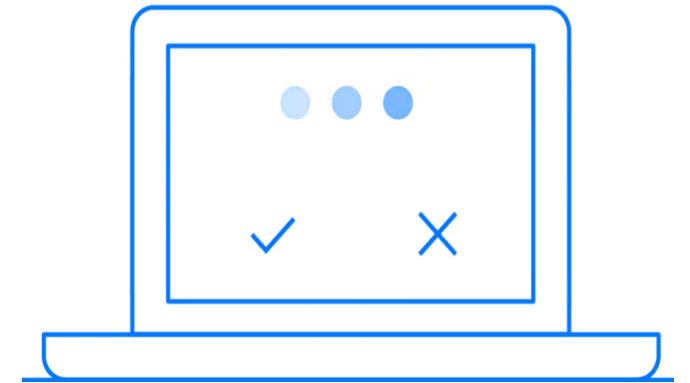
Connect to data & systems you're already using; create the data you need



Create workflows using triggers & actions without code or scripts



Edit flows on web and mobile



Approve requests or manage them on web and mobile

Common Scenarios

Automated approvals across data stores and services

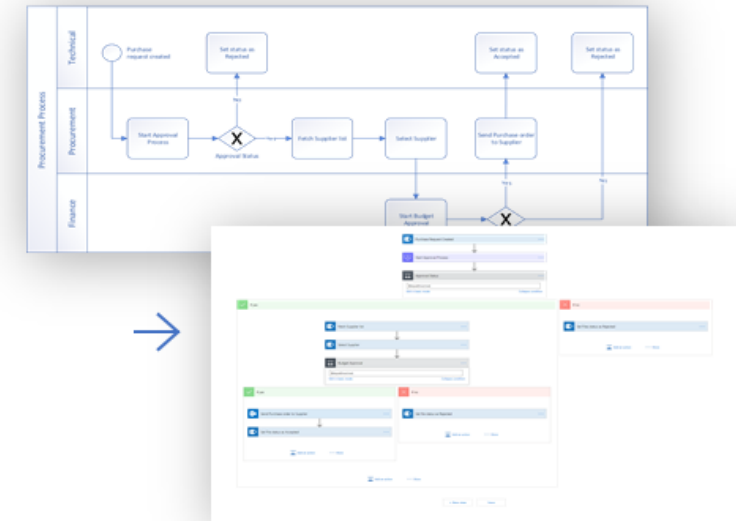
Recurring processing – e.g., expire all records over 7 days

Process guidance – interactive step by step completion of common business processes

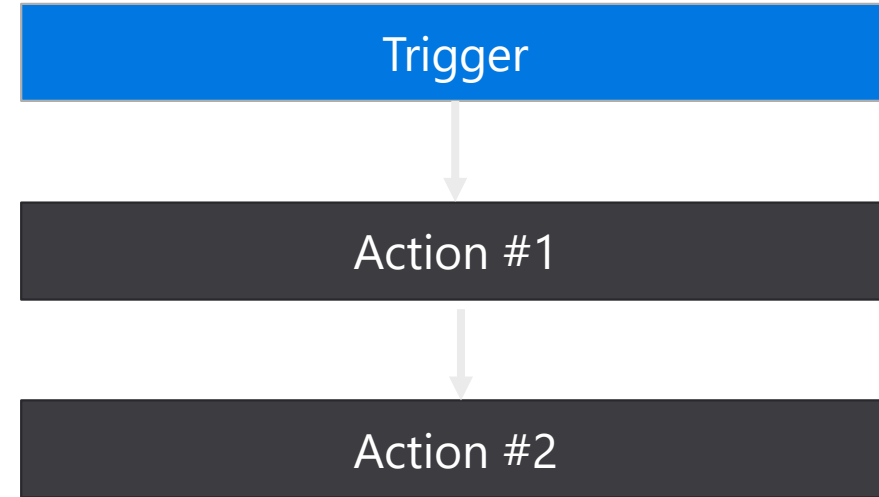
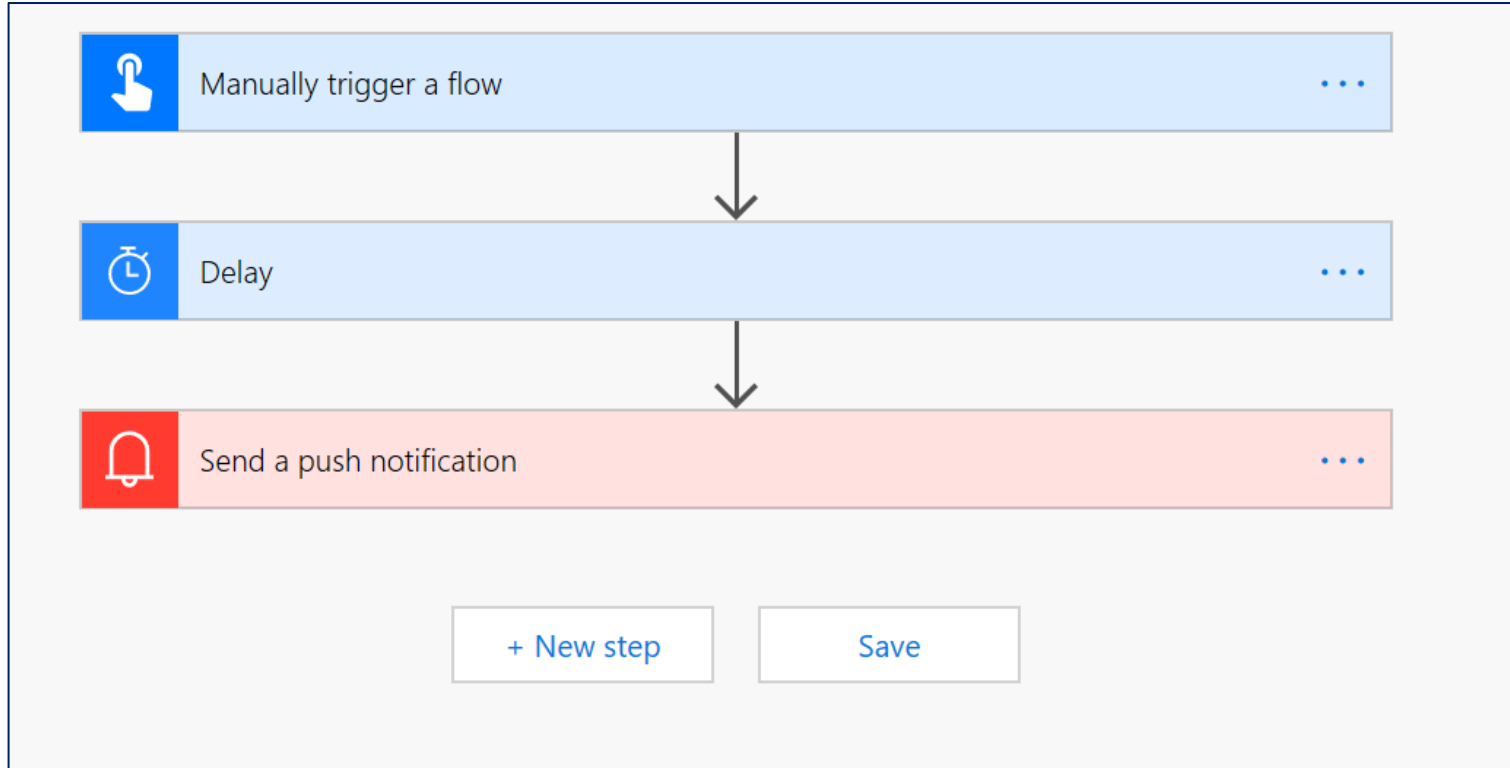
Automated triggering from data or service events e.g., record or file created

Mobile user clicks a button to kick off automation including context

Power App app user clicks a button to launch a flow in the background



What does a cloud flow look like?



What makes up a cloud flow?

Example: Notification flow

Trigger—the event that kicks off the flow:

- Manual via button or Power Apps
- On a schedule
- On an event in the cloud

Actions—what the flow does
Uses data from the trigger

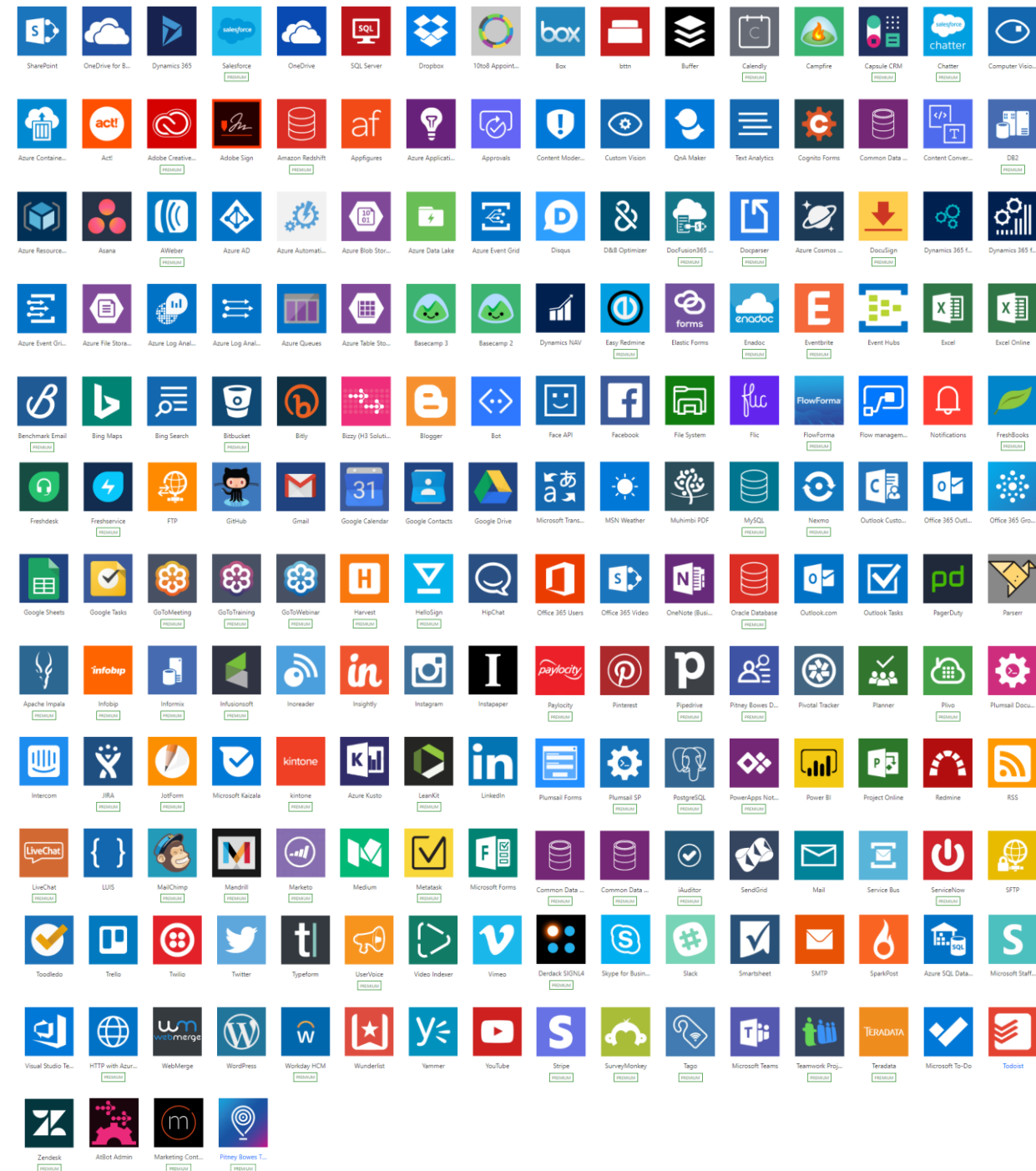
The screenshot displays a Power Automate flow editor with two steps:

- Trigger:** "When a row is added, modified or deleted" (highlighted with a green border).
 - * Change type: Create or Update
 - * Table name: Accounts
 - * Scope: Organization
 - Show advanced options
- Action:** "Send an email notification (V3)".
 - * To: Email x ;
 - * Subject: Account information changed
 - * Body: Your account (Account Name x) information has been changed.
 - Show advanced options

A vertical line on the left side of the flow steps is connected by lines to the text "Trigger" and "Actions" on the left, illustrating how the flow components map to the definitions provided.

Integration + Connectivity

- Built-in connectivity to hundreds of cloud services, file providers, databases, web APIs, productivity apps, and more
- Connect to on-premises systems via Data Gateway
- Pluggable extensibility via Custom Connectors to integrate existing LOB systems into flow






Characteristics of automated flows

- ⚡ Starts with an event or trigger
- 📋 Performs any number of actions
- 🔗 Can have conditional logic
- 🔄 Can call other workflows



What can business process flows do?

-  Create stages or screens that enforce a certain sequence of steps
-  For each stage, collect data from the user and / or and kick off automated workflows
-  Create branching logic based on the data

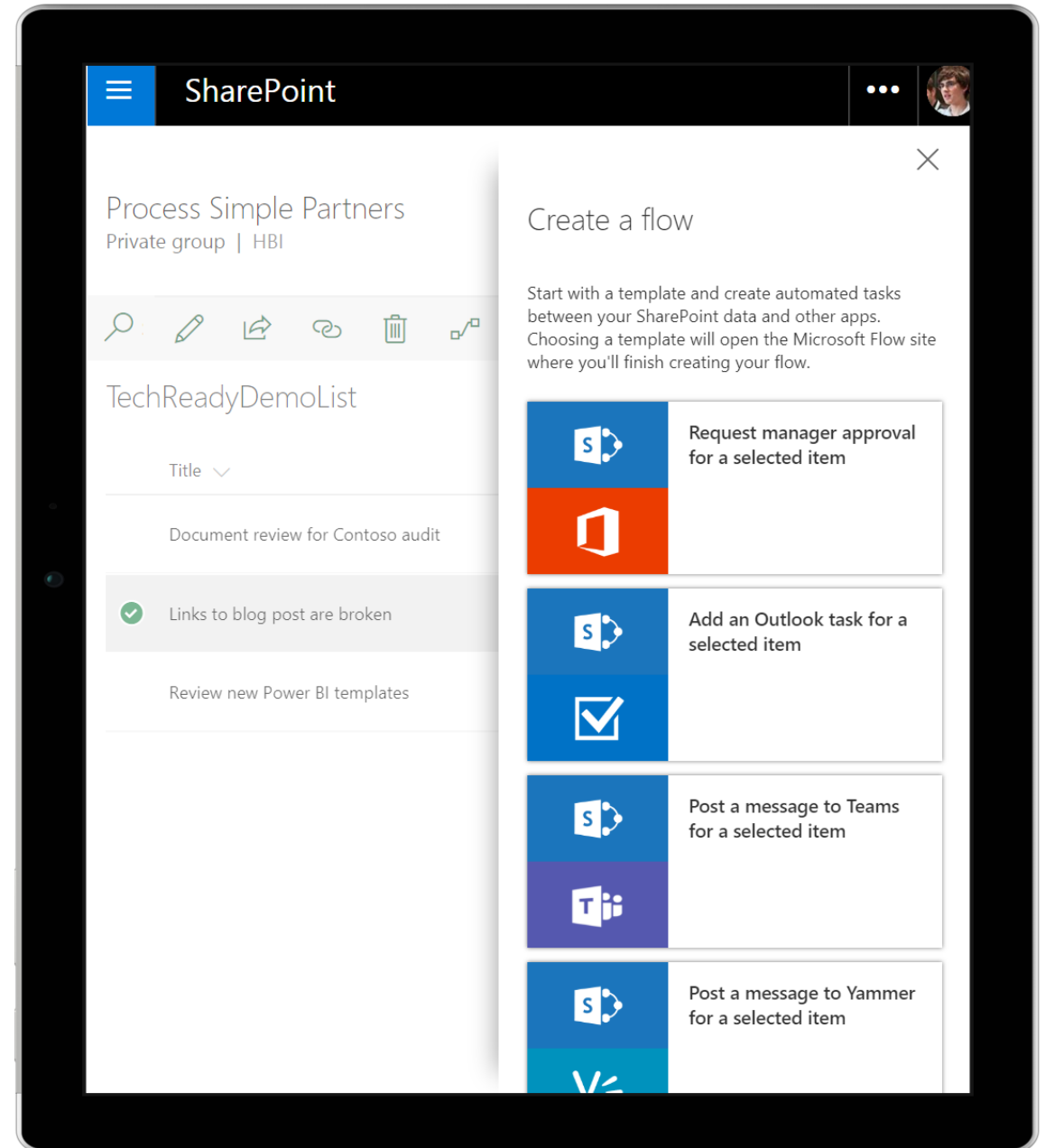


Use Power Automate & SharePoint & OneDrive

Flow button appears in all Modern Lists and Document Libraries

There are two states for the button

1. When you don't have a file selected
 - You can create flows that run in the background on that list
2. When you have a file selected
 - You can create manual flows that run on that specific file
 - All manual flows already tied to that document library appear on the menu when you open it



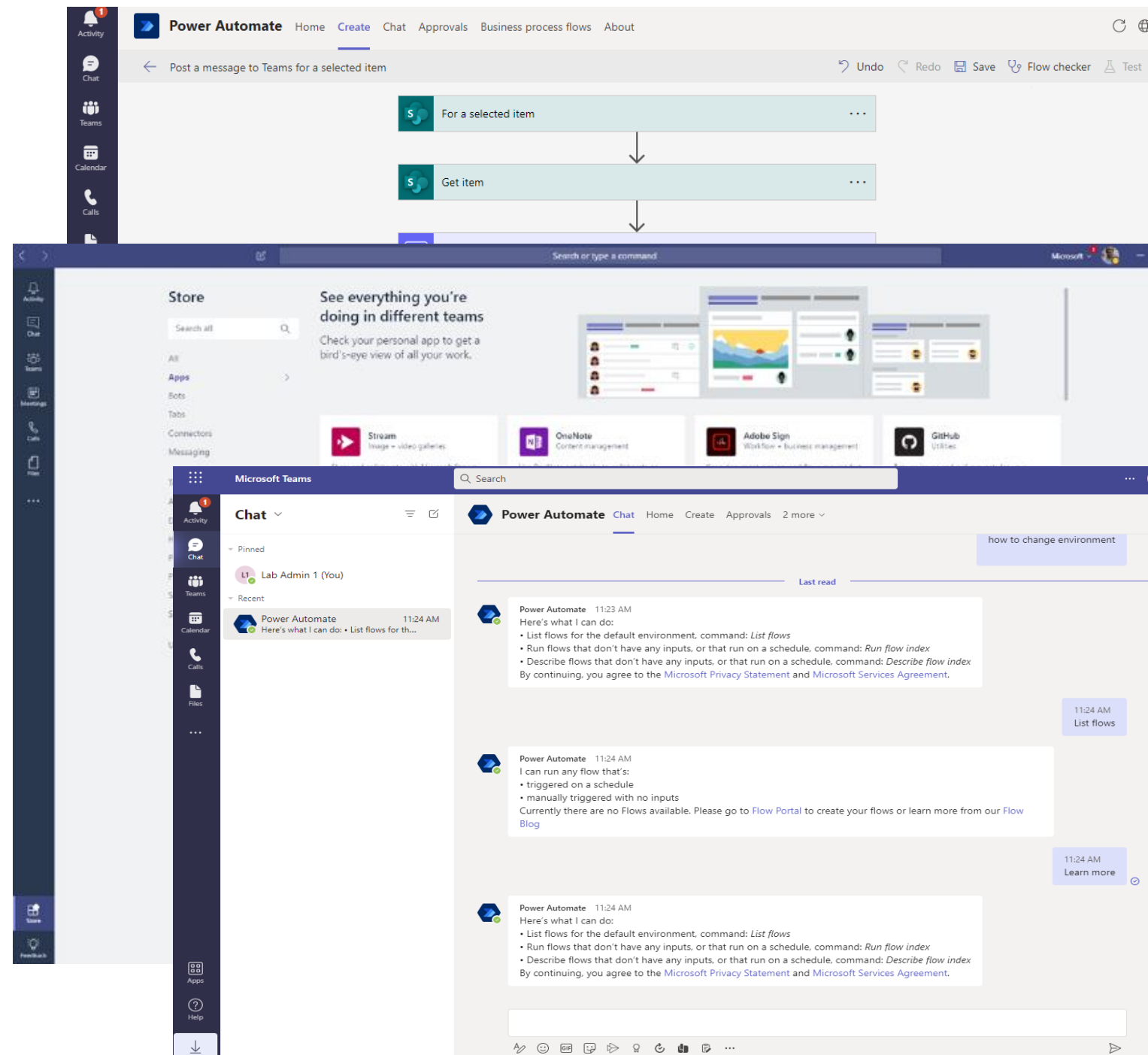
Power Automate & Microsoft Teams

Within Teams

- Access personal flows
- Create new flows
- Approvals center

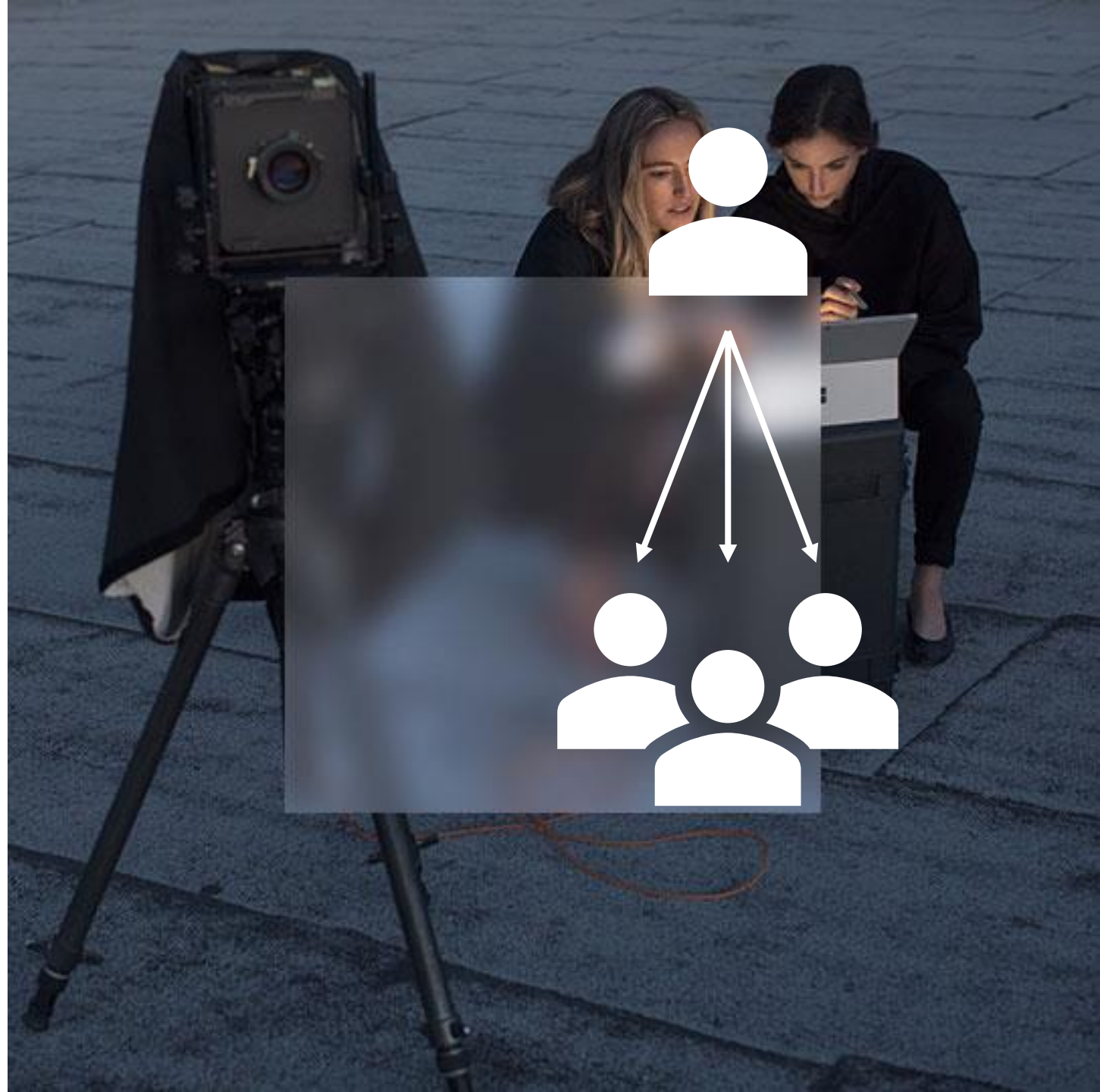
Use the flow bot to

- Trigger schedule-based flows



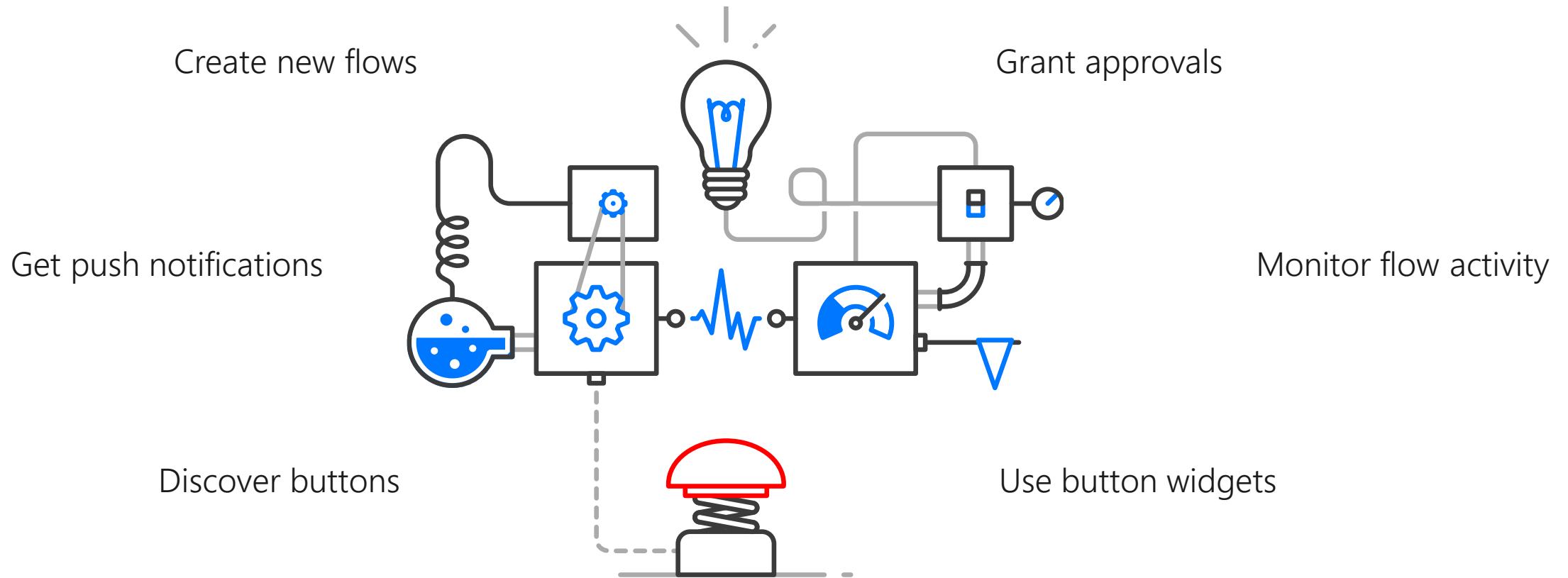
Sharing a flow

- Many people can own a flow at once
- Use **buttons** to share the ability to *run* flows throughout your organization
- Use **approvals** for people to *participate* in a flow without knowing it's a flow



Power Automate Mobile & Devices

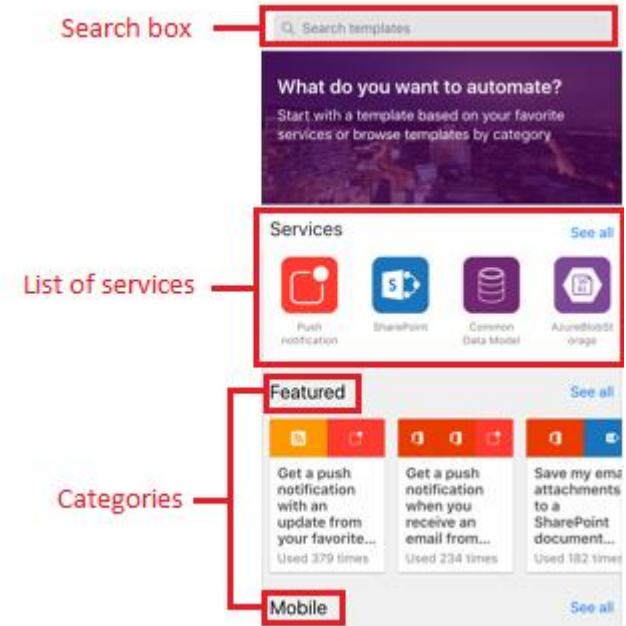
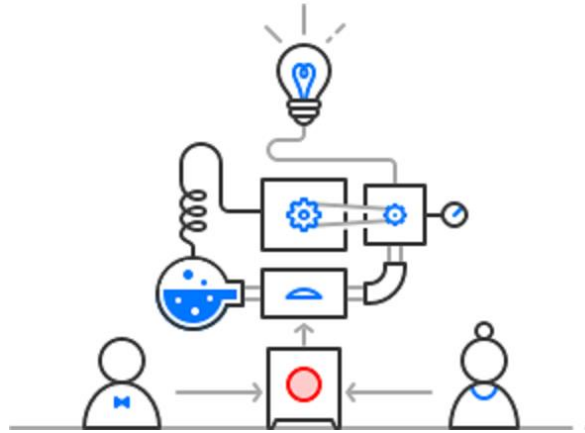
Work less and do more, from anywhere



Create, run, and manage automated workflows between your favorite apps and services – even when you're on the go!

Power Automate mobile app

- Get notifications
- Manage approvals
- See flow details
- See flow run activity
- Flow buttons



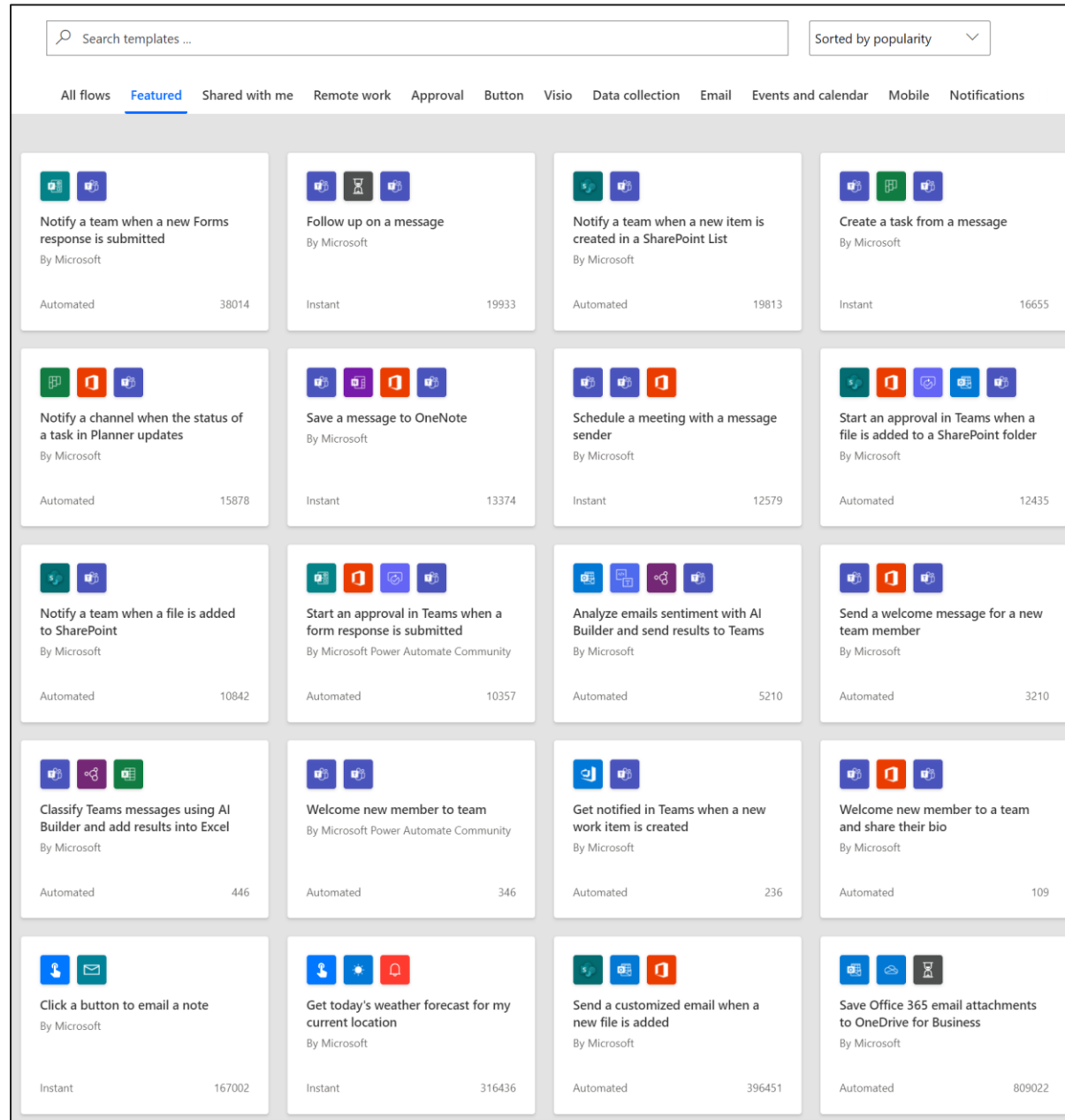
Go to the app store on your device and search for "Power Automate"



Apple Store: <https://itunes.apple.com/us/app/microsoft-flow/id1094928825?mt=8>

Google Play: <https://play.google.com/store/apps/details?id=com.microsoft.flow>

Templates help users to get started with Power Automate



Power Automate templates

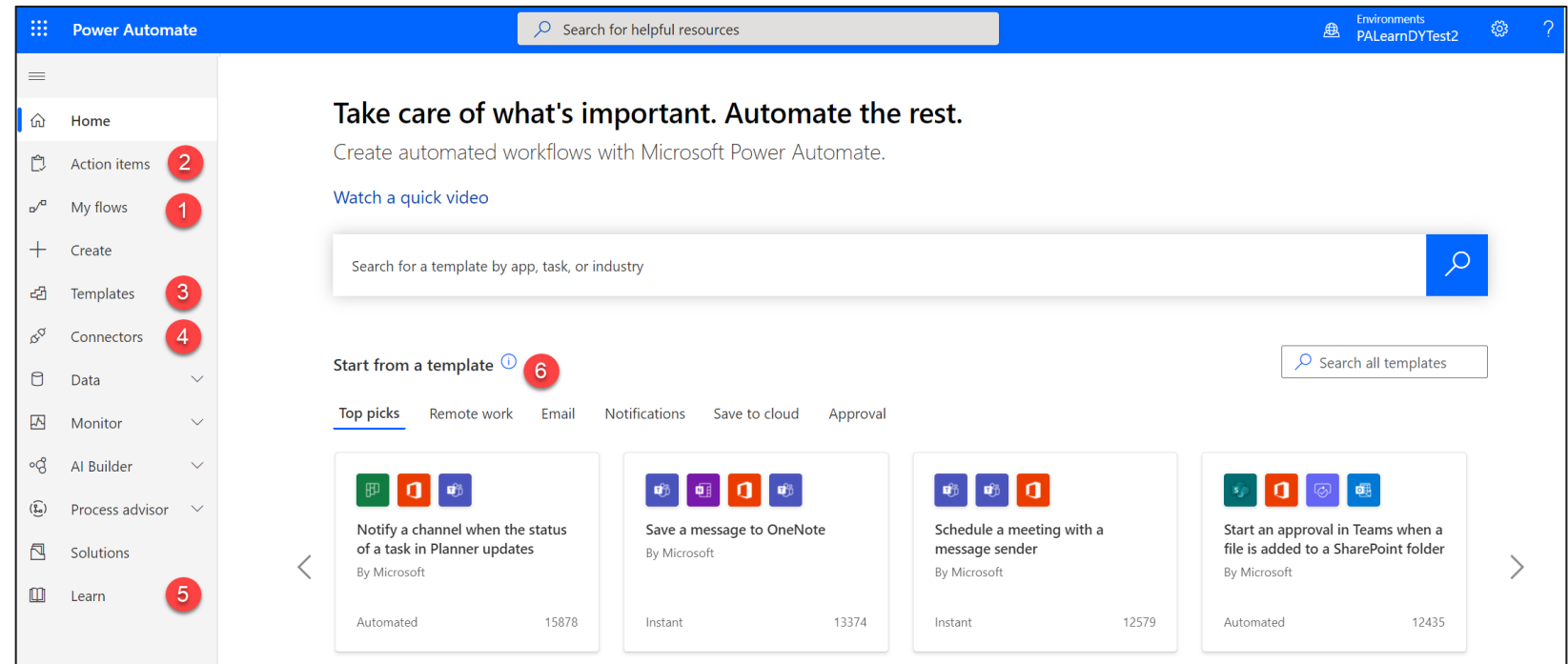
Highly recommend running the “Get a push notification with updates from the Power Automate blog” template

The screenshot displays the Power Automate templates interface. At the top, there is a search bar containing the text "Power Automate blog" and a dropdown menu set to "Sorted by popularity". Below the search bar is a horizontal navigation bar with tabs: "All flows", "Featured" (which is underlined in blue), "Shared with me", "Remote work", "Approval", "Button", "Visio", "Data collection", "Email", "Events and calendar", "Mobile", "Notifications", and a three-dot menu. The main content area shows two template cards side-by-side, both of which are enclosed in a red rectangular highlight. Each card features an RSS icon and a bell icon in the top left corner. The first card is titled "Get a push notification with updates from the Power Automate blog" and is attributed to "By Microsoft". It shows "Automated" on the left and "145848" on the right. The second card is titled "Get updates from the Power Automate blog" and is also attributed to "By Microsoft". It shows "Automated" on the left and "68615" on the right.

Template Title	Author	Category	Count
Get a push notification with updates from the Power Automate blog	By Microsoft	Automated	145848
Get updates from the Power Automate blog	By Microsoft	Automated	68615

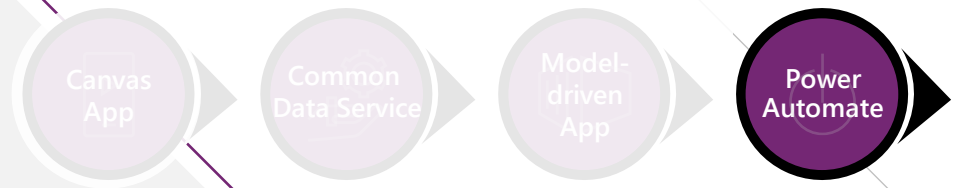
Power Automate Portal [\[https://powerautomate.microsoft.com\]](https://powerautomate.microsoft.com)

1. **My flows**, where your flows live.
2. **Approvals**, where you can automate and streamline your approval process.
3. **Templates**, which is a great place to start.
4. **Connectors**, where you can connect from one service to another.
5. **Learn**, where you can gain information that will help you ramp up quickly on Power Automate.
6. **Featured template collections**, collections of templates by industry or role



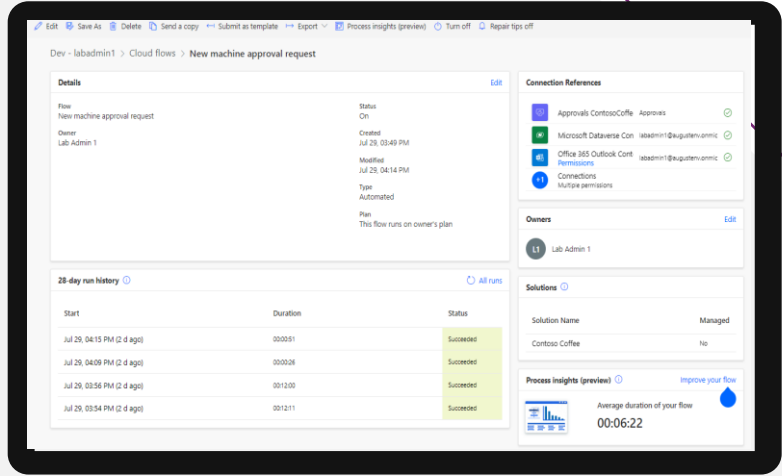
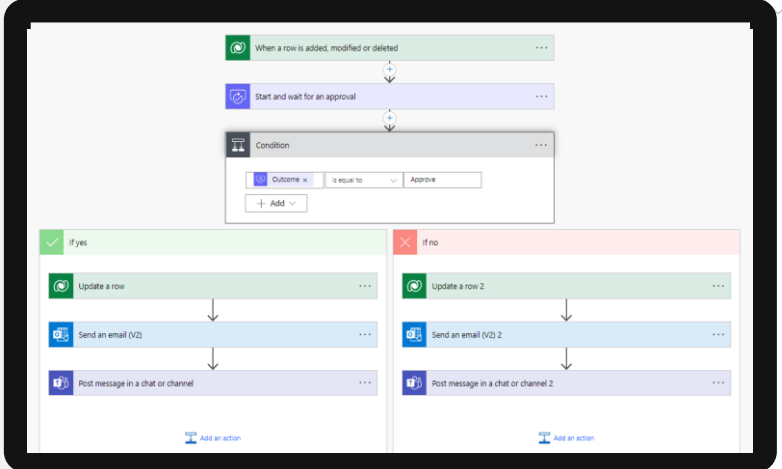
Hands-on-lab 4

Module 4: Power Automate



Module 4: Learning objectives

- ◆ Trigger a flow when a new Dataverse row is created
- ◆ Send an approval request
 - Conditional branching based on the approval response
- ◆ Send email notifications
 - Update the record with the approval status and the approver's comments
- ◆ Use the approval center on web and mobile
- ◆ Check the status of flow runs





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