



PowerApps App in a Day

Module 4: Microsoft Flow
Hands-on Lab Step-by-Step

July 2018

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Microsoft Flow

Lab Prerequisites

This is the fourth lab in a four-part series covering PowerApps, Common Data Service, and Flow. The assumption is that you have successfully completed the first three modules, or at least the initial part of setting up an environment as described in the overview – “00-ApplnADay Lab Overview.pdf”.

If you have not completed the previous modules, you can use the partially completed version of the lab package in the “\Completed\Module3” folder. Follow the instructions in the document “Importing Module 3 Completed” before proceeding with this module, which will provision the app and the Common Data Service entity into your environment.

Locale-specific differences in formulas



If your computer has its regional settings set to use the comma ‘,’ for its decimal separator (like in much of Europe) your formulas will need to use a semicolon ‘;’ instead of a comma. In this document, the location icon is used to indicate the alternate version of a function, to be used for European locales.

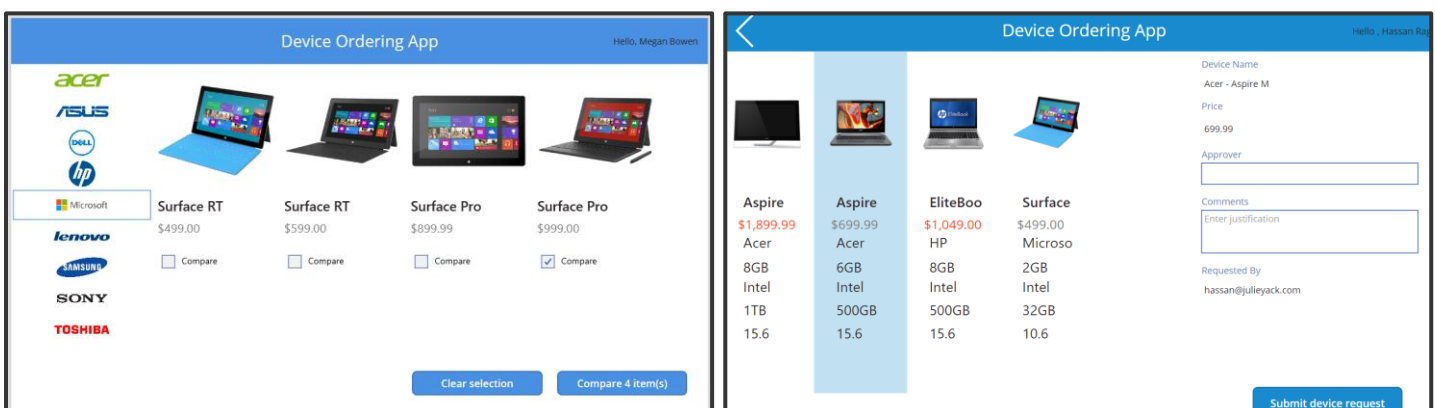
En-US `Filter(Machines, OEMsGallery.Selected.MFR=MFR)`

de-DE `Filter(Machines; OEMsGallery.Selected.MFR=MFR)`

Integrating a PowerApps App with Flow

In this lab, you will create a Flow that uses the Modern Approvals service to automate the approval workflow – it will send an email to the selected approver and take an action based on their response.

You should have an app with these two screens:



Exercise 1: Create Approval Request Flow

The Flow will trigger when a new item is added to the **Device Order** entity table in the Common Data Service.

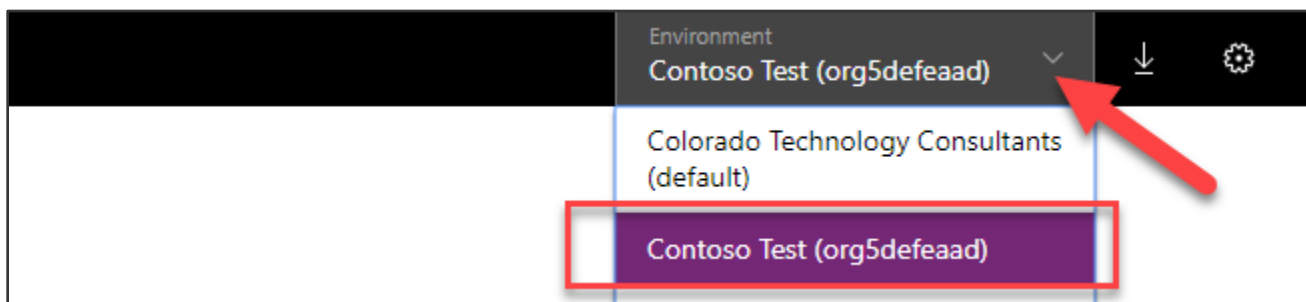
- It will use the Approvals Service to send an Approval request.
- The Approver will receive an email with options to Approve or Rejects and add comments.
- Once the Approver responds, the record in the Device Order table will be updated with the appropriate approval status and comments.
- An email will be sent to the requester informing them whether the device was approved or rejected.

There are two ways to create a flow – from blank or from a template. In this lab, we will create the approval flow starting with a blank flow.

Task 1: Enable change tracking for entity

In this task, you will enable change tracking for the Device Order entity. We are enabling change tracking so that we can trigger a flow to be run when a new Device Order record is added. This is a one-time configuration change on the entity in order to trigger flows against the entity.

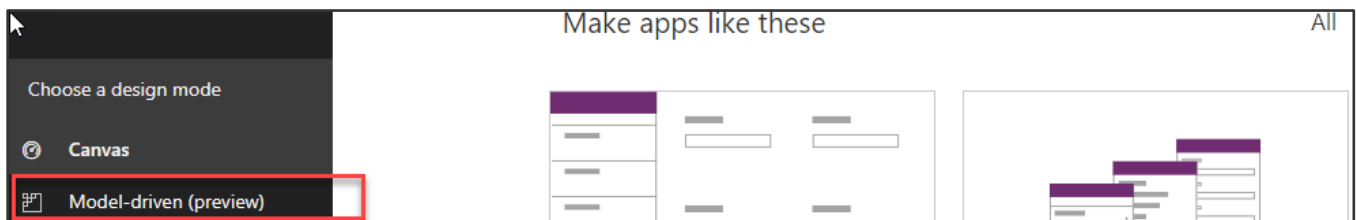
1. Navigate to <https://web.powerapps.com> and sign in.
2. Select your environment.



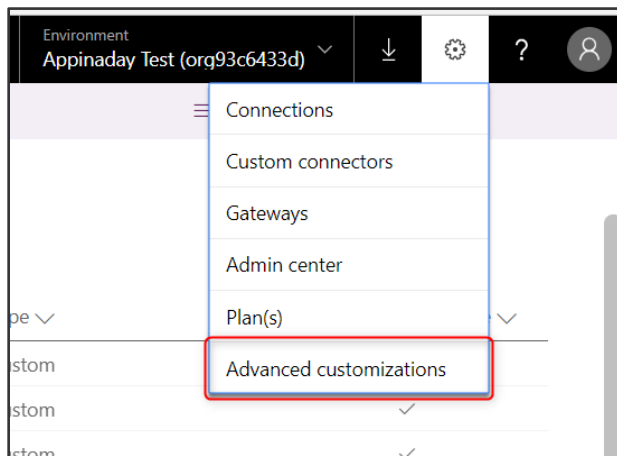
3. In the bottom left corner of your screen, click in the down arrow next to Canvas.



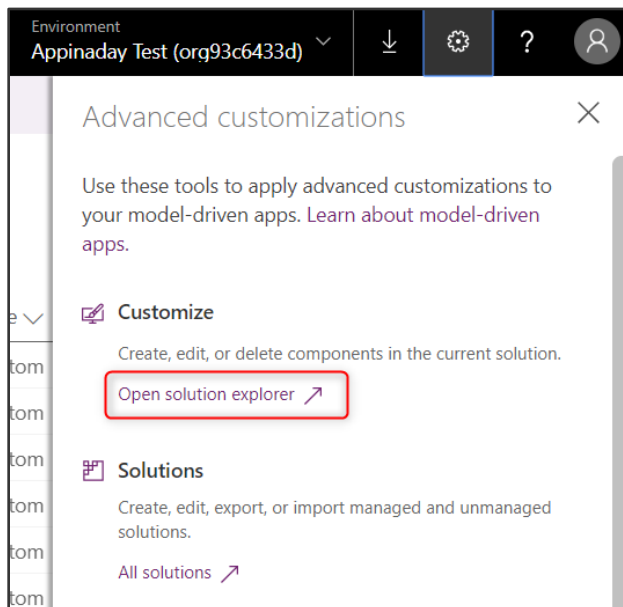
4. Click to select **Model-driven**.



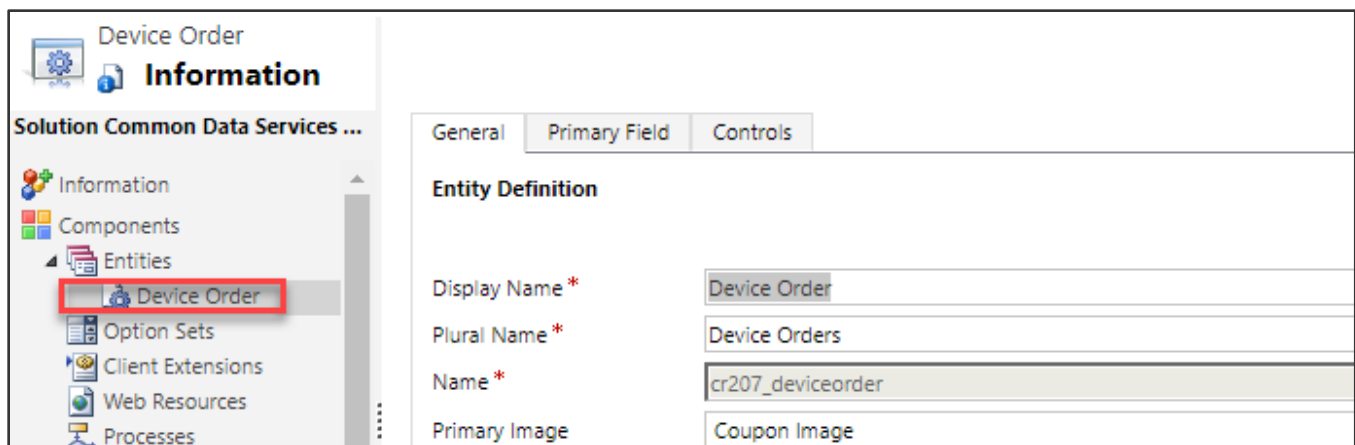
5. Click on the **Settings icon** in the top right and click **Advanced customization**.



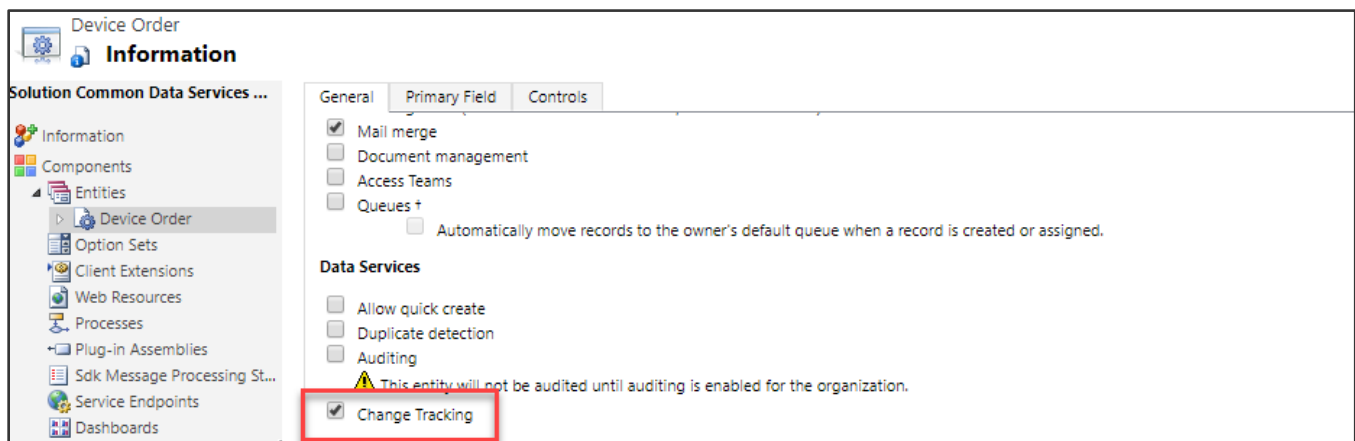
6. In the Advanced customizations pane, click **Open solution explorer**. This will navigate to solution explorer in a new tab.



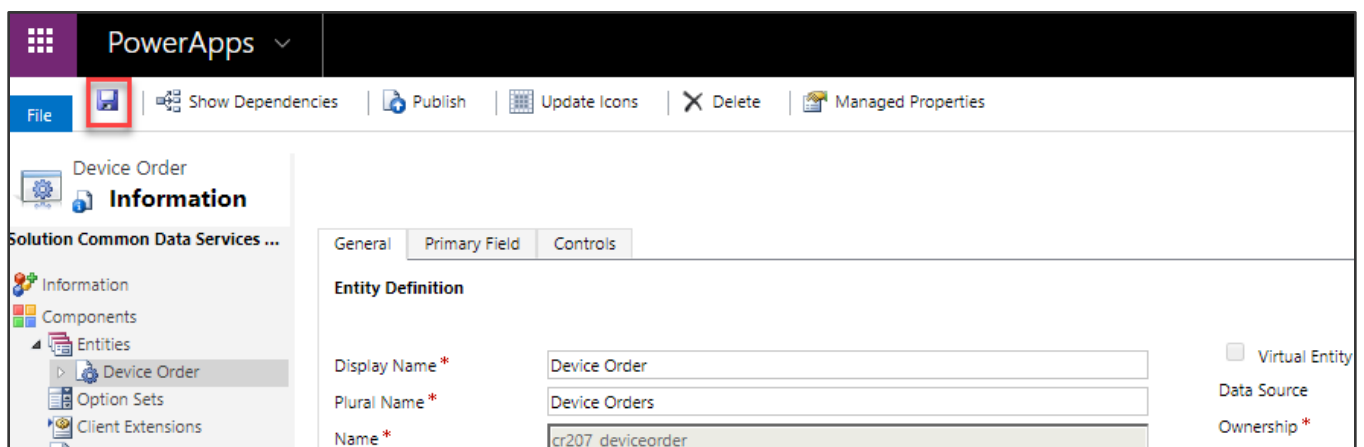
7. Solution explorer will open in a new tab. Expand **Entities** and select **Device Order**.



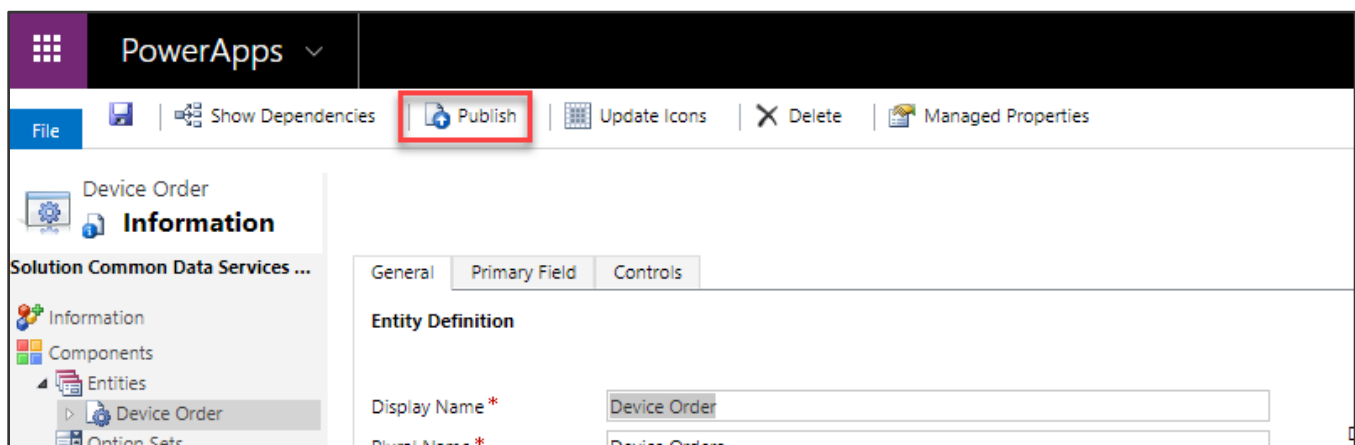
8. Check the **Change Tracking** check box.



9. Click **Save**.



10. Click **Publish**.

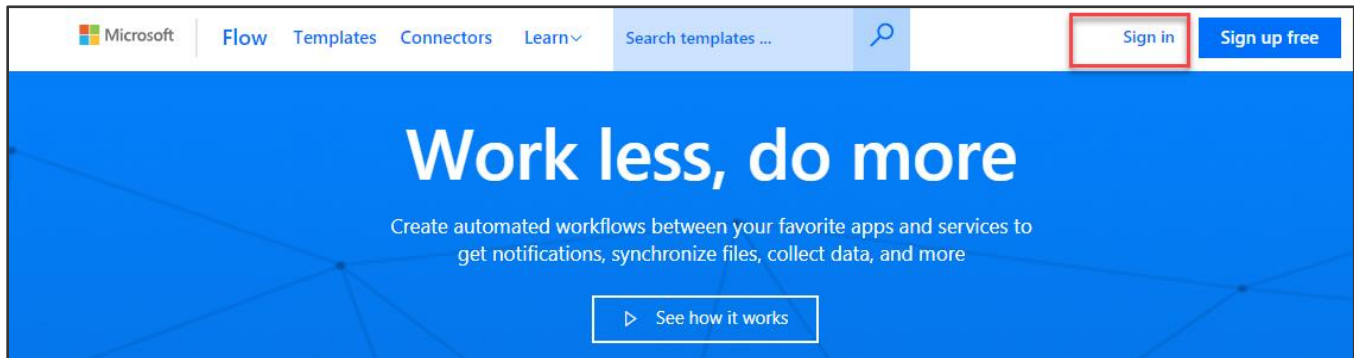


11. Wait for the publishing to complete.

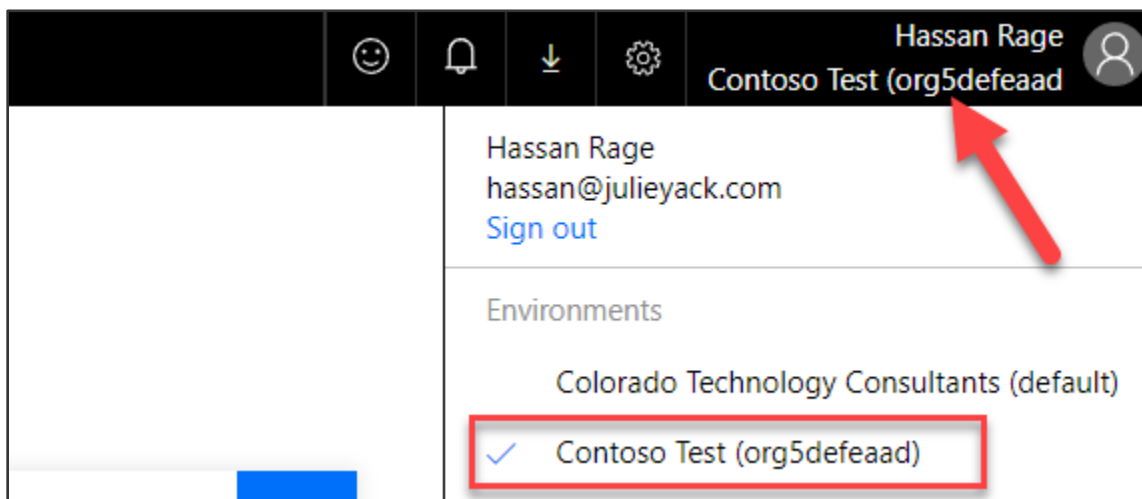
12. Close the solution explorer.

Task 2: Login on Microsoft Flow website and create Flow

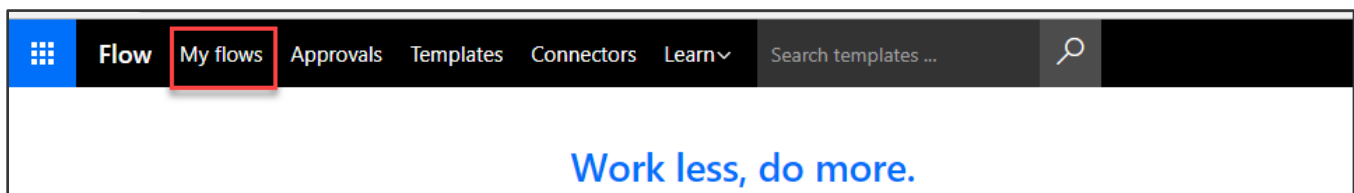
1. Navigate to <http://flow.microsoft.com> and sign in with your work or school account.



2. **Switch to the environment** where you created the Common Data Service database and the PowerApps app. To switch environments, click the top right of the screen that displays the username and current environment name.



3. Select **My Flows**.



4. Select **Create from Blank**



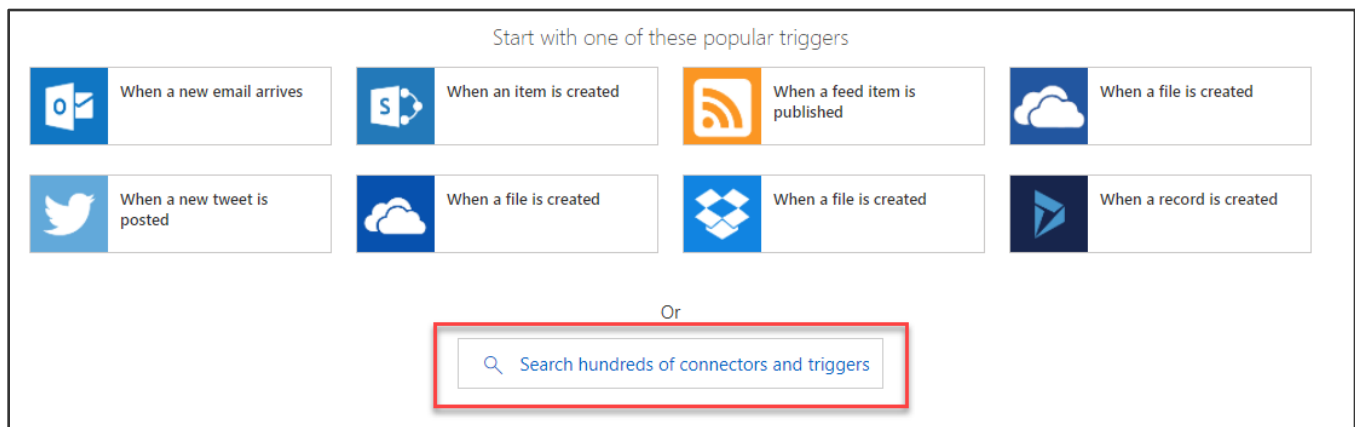
Task 3: Configure the trigger

The first thing you will need to configure is the trigger, i.e. when should this flow run. A flow can be triggered:

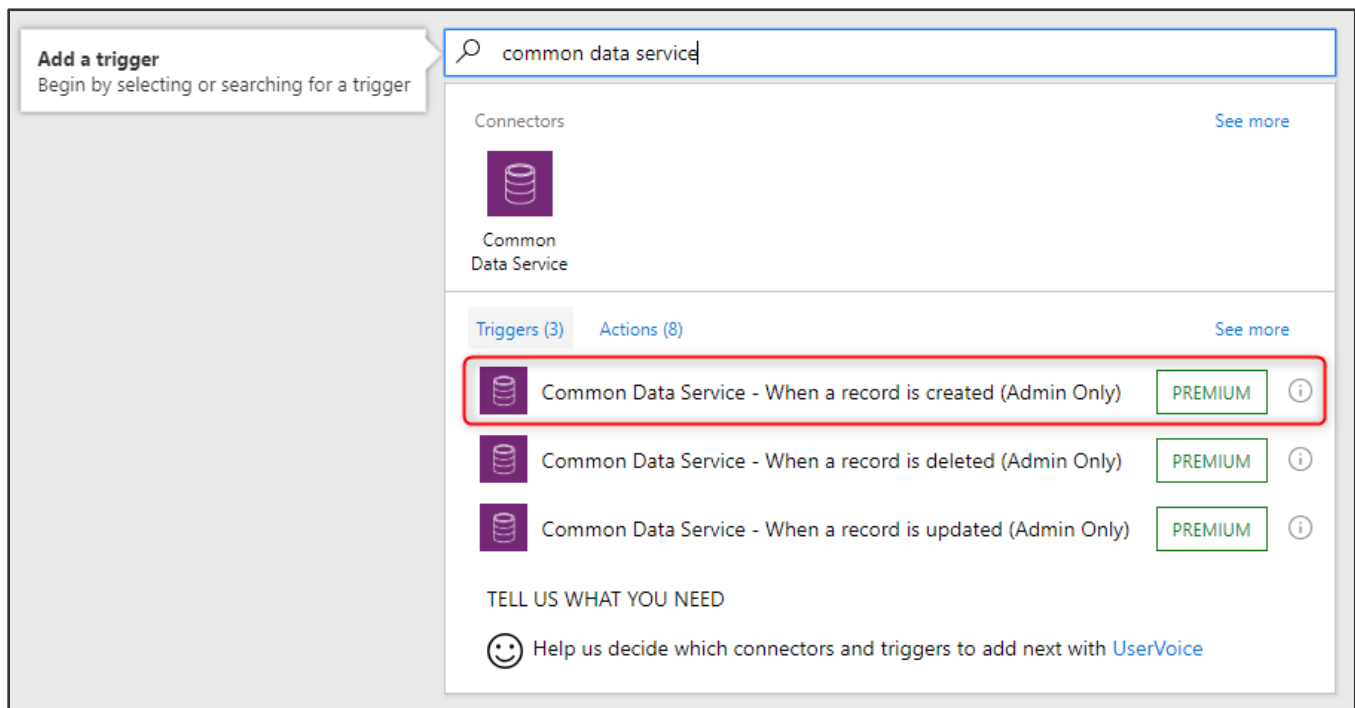
- manually from a PowerApps app,
- manually from a flow button
- on a fixed schedule, or
- when an event occurs, such as a new item being added to a table, a new email arriving in a user's inbox, a new tweet being posted that meets certain conditions, etc.

In this scenario, we will configure the flow to trigger when a **new item is added** to the **Device Order entity** table in the **Common Data Service**

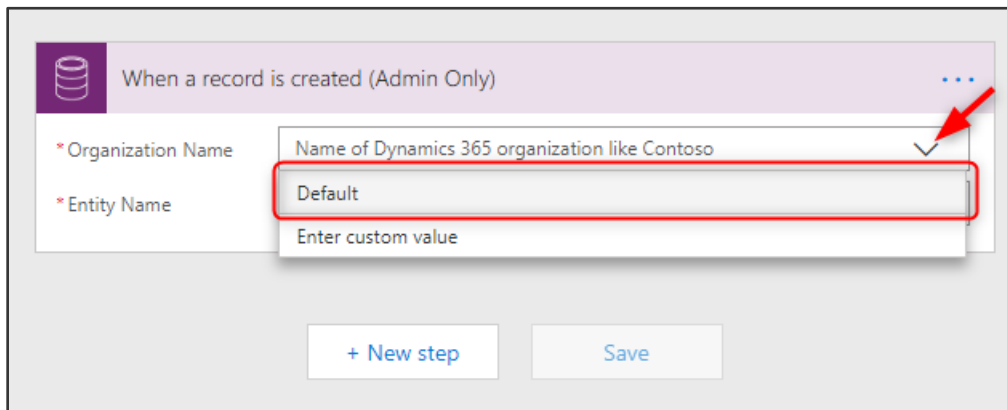
- On the screen to select a trigger, click the **Search hundreds of connectors and triggers** option.



- Search for **Common Data Service** and select **Common Data Service – When a record is created**.



- Click the **Organization Name** drop-down and select **Default**.



When a record is created (Admin Only)

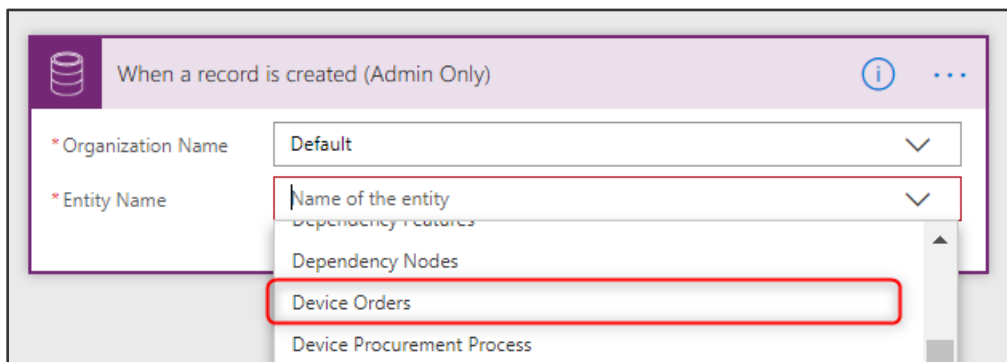
* Organization Name: Name of Dynamics 365 organization like Contoso

* Entity Name: Default

Enter custom value

+ New step Save

- Click the **Entity Name** drop-down and select **Device Orders**. You can type "device orders" to search for it.



When a record is created (Admin Only)

* Organization Name: Default

* Entity Name: Name of the entity

Dependency Features

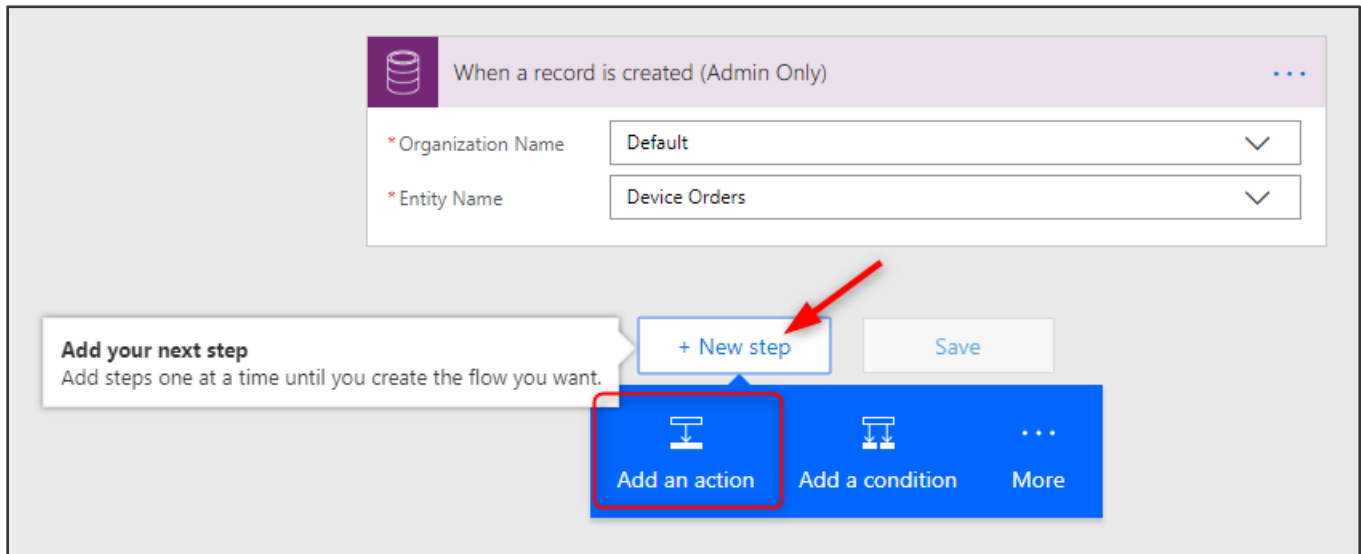
Dependency Nodes

Device Orders

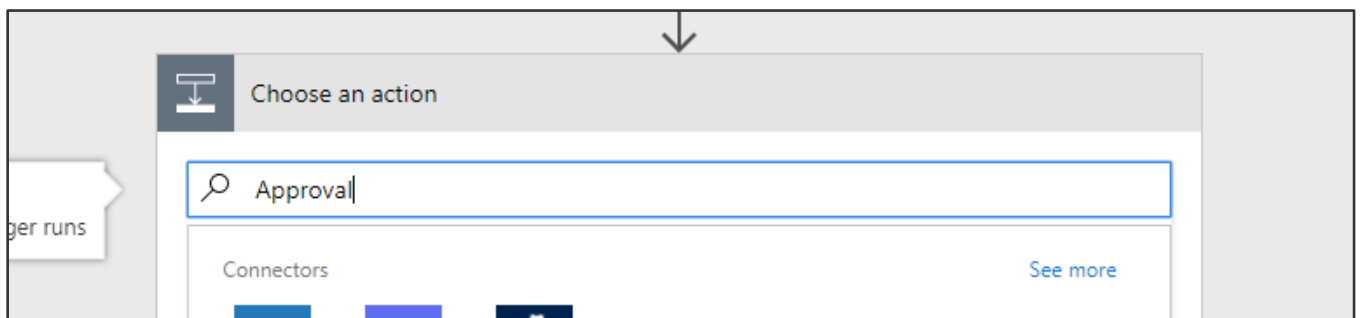
Device Procurement Process

Task 4: Add action to send an approval request

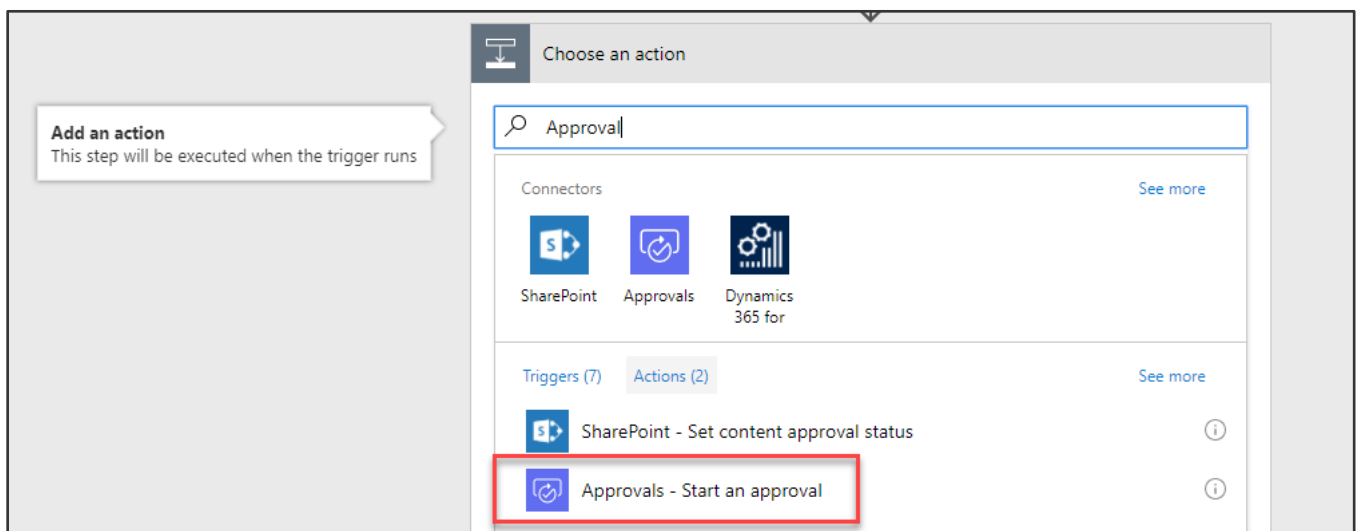
1. Click **+ New Step** and select **Add an Action**



2. Search for **Approval**.

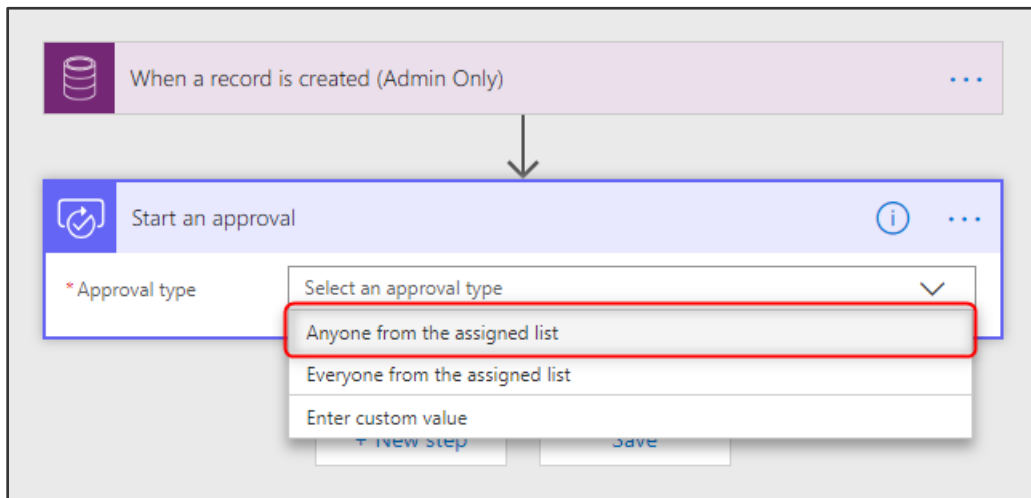


3. Select **Approvals – Start an approval**.



This will use the modern approval service. For more information see the blog post at <https://flow.microsoft.com/blog/introducing-modern-approvals/>.

4. Select **Anyone from the assigned list** for **Approval Type**.



When a record is created (Admin Only)

Start an approval

* Approval type

Select an approval type

Anyone from the assigned list

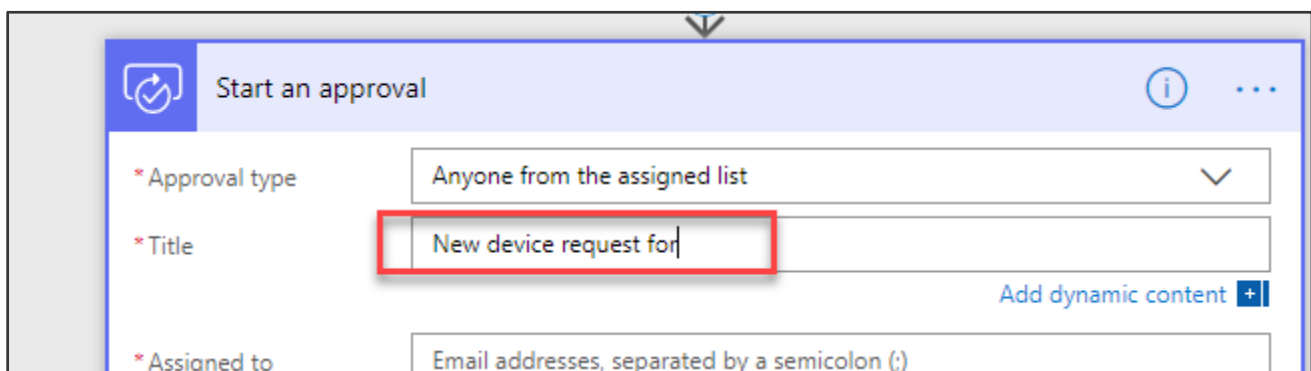
Everyone from the assigned list

Enter custom value

+ New step

Save

5. For the Title, we will add some text and one variable. This variable will contain the Device Name of the device order request. Enter **New device request for** in the **Title** text box.



Start an approval

* Approval type

Anyone from the assigned list

* Title

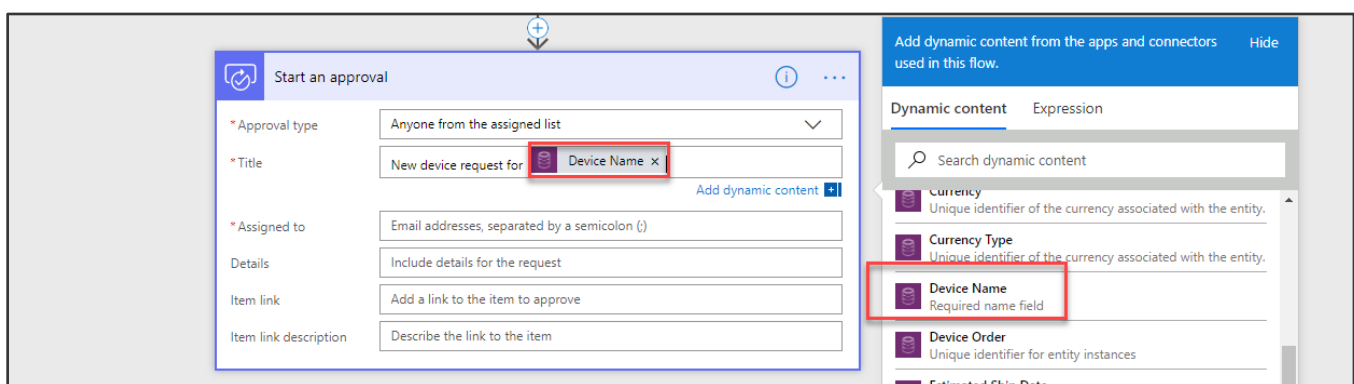
New device request for

Add dynamic content +

* Assigned to

Email addresses, separated by a semicolon (;)

6. Select **Device Name** for the **Dynamic Content**.



Start an approval

* Approval type

Anyone from the assigned list

* Title

New device request for Device Name x

Add dynamic content +

* Assigned to

Email addresses, separated by a semicolon (;)

Details

Include details for the request

Item link

Add a link to the item to approve

Item link description

Describe the link to the item

Add dynamic content from the apps and connectors used in this flow. Hide

Dynamic content Expression

Search dynamic content

Currency

Unique identifier of the currency associated with the entity.

Currency Type

Unique identifier of the currency associated with the entity.

Device Name

Required name field

Device Order

Unique identifier for entity instances

Estimated Ship Date

Note: if the Dynamic content box is not visible, click the Add dynamic content button -

Add dynamic content +

7. Select the **Assign to** field, and from the **Dynamic Content**, click See More.

The screenshot shows the 'Start an approval' task configuration in Microsoft Flow. The 'Assigned to' field is highlighted with a red box, displaying the placeholder text 'Email addresses, separated by a semicolon (;)'. To the right, the 'Dynamic content' pane is open, and the 'See more' button is highlighted with a red box. The 'Dynamic content' pane shows a search bar and a message: 'We can't find any outputs to match this input format. Select "See more" to see all outputs from previous actions.'

8. Select **Approver**

The screenshot shows the 'Start an approval' form. The 'Assigned to' field is highlighted with a red box and contains 'Approver x'. The 'Dynamic content' pane on the right shows 'Approver' selected under the 'Approval Status Value' section.

You might get a warning message about this field being optional. Ignore it and ignore similar warnings in future.

Note: Recall from the earlier lab that this will be the approver's email address.

9. In the **Details** field, type **A new device has been requested** and hit <Enter>.

The screenshot shows the 'Start an approval' form. The 'Details' field is highlighted with a red box and contains the text 'A new device has been requested'.

10. Select **Device Name** from the Dynamic Content pane.

The screenshot shows the 'Start an approval' form. The 'Details' field is highlighted with a red box and contains the text 'A new device has been requested'. The 'Dynamic content' pane on the right shows 'Device Name' selected under the 'Department Contribution' section.

11. Type, \$ and select **Price**. You may need to click the **"See More"** option under the dynamic content search bar in order to see the Price option.

The screenshot shows the 'Start an approval' form. The 'Details' field is populated with 'A new device has been requested' followed by dynamic content: 'Device Name', a currency symbol '\$', and 'Price'. The 'Price' dynamic content is highlighted with a red box. To the right, the 'Dynamic content' pane shows 'Price' (Device Price) highlighted with a red box.

12. Hit Enter and type **Department Contribution**.

The screenshot shows the 'Start an approval' form. The 'Details' field is populated with 'A new device has been requested' followed by dynamic content: 'Device Name', a currency symbol '\$', and 'Price'. Below this, the text 'Department Contribution' is entered and highlighted with a red box. The 'Dynamic content' pane on the right shows 'Price' (Device Price) highlighted with a red box.

13. Select **Department Contribution**.

Start an approval

* Approval type: Anyone from the assigned list

* Title: New device request for Device Name

* Assigned to: Approver

Details

A new device has been requested

Device Name Price Department Contribution

Item link: Add a link to the item to approve

Item link description: Describe the link to the item

Add dynamic content

Add dynamic content from the apps and connectors Hide used in this flow.

Dynamic content Expression

Search dynamic content

Currency Type
Unique identifier of the currency associated with the entity.

Department Contribution
Department Contribution

Department Contribution (Base)
Value of the Department Contribution in base currency.

14. Hit <Return>, type **Comments:** and select **Comments**.

Start an approval

* Approval type: Anyone from the assigned list

* Title: New device request for Device Name

* Assigned to: Approver

Details

A new device has been requested

Device Name Price Department Contribution Comments

Item link: Add a link to the item to approve

Item link description: Describe the link to the item

Add dynamic content

Add dynamic content from the apps and connectors Hide used in this flow.

Dynamic content Expression

Search dynamic content

Approver
Approver

Comments
Comments

Created By
Unique identifier of the user who created the record.

15. Your **Action** will now look like the image below.

The screenshot shows the configuration for the 'Start an approval' action in a Microsoft Flow. The flow is titled 'When a record is created (Admin Only) (Preview)'. The 'Organization Name' is set to 'Default' and the 'Entity Name' is set to 'Device Orders'. The 'Start an approval' action is configured with the following details:

- Approval type:** Anyone from the assigned list
- Title:** New device request for [Device Name]
- Assigned to:** [Approver]
- Details:**
 - A new device has been requested
 - [Device Name], [Price]
 - Department Contribution [Department C...]
 - Comments: [Comments]
- Item link:** Add a link to the item to approve
- Item link description:** Describe the link to the item

Note: When creating your own approval flows, you may additionally include a clickable link that will be displayed in the approval email. In this scenario, for example, you could include a link to view device details in an online catalogue. You would include the **Item link** and **Item link description**.

Note: You could also set the **Item link** to deep link into a PowerApps app to view more details about the request. In this scenario, you might pass an OrderID or a DeviceID as a URL parameter. PowerApps accepts URL parameters, see <https://powerapps.microsoft.com/tutorials/function-param/> for more details.

16. Change the **Flow** name to **Device approval request** and click **Save**.

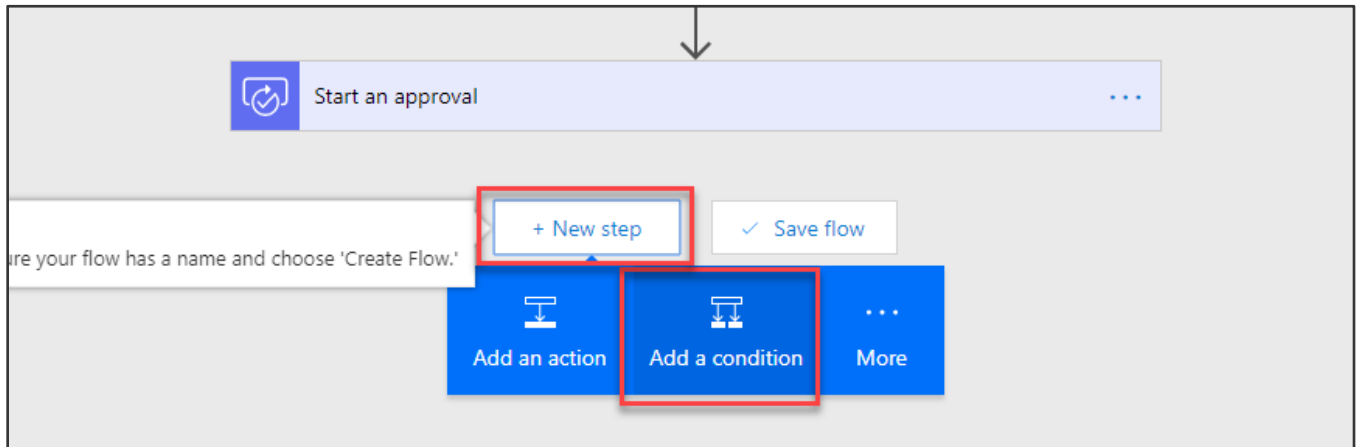
The screenshot shows the Microsoft Flow canvas. The flow name 'Device approval request' is highlighted with a red box. The 'Save' button is also highlighted with a red box. The flow consists of two steps: 'When a record is created (Admin Only)' and 'Start an approval'.

Exercise 2: Conditional Logic

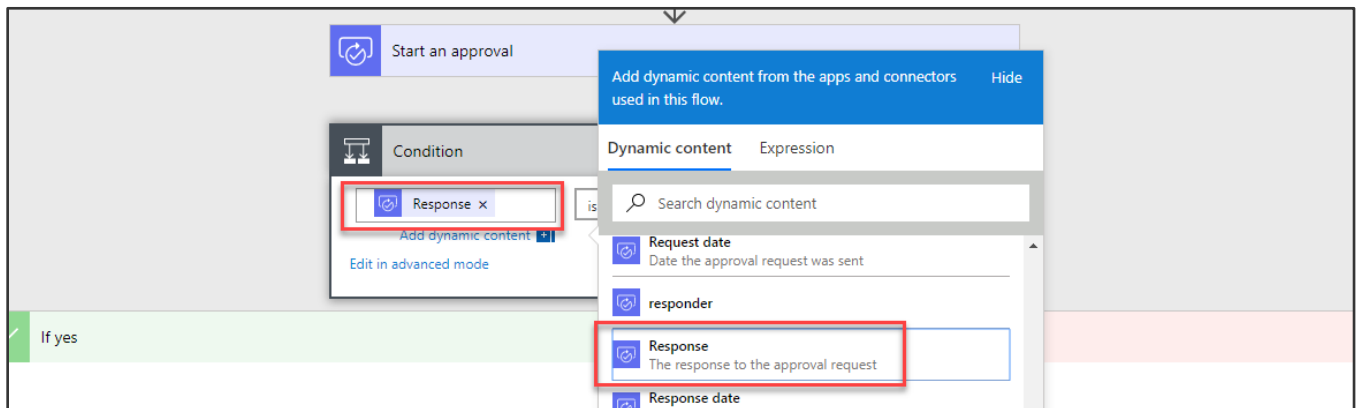
In flow, you can add conditions to take different actions depending on a certain result, in this case, whether the request was approved or rejected.

Task 1: Add conditional logic to flow

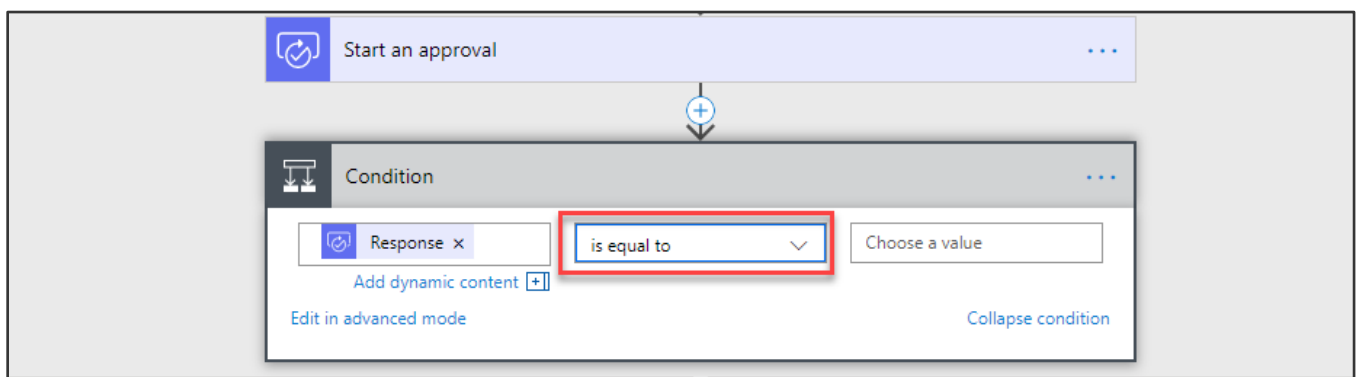
1. Click **+ New Step** and select **Add a Condition**.



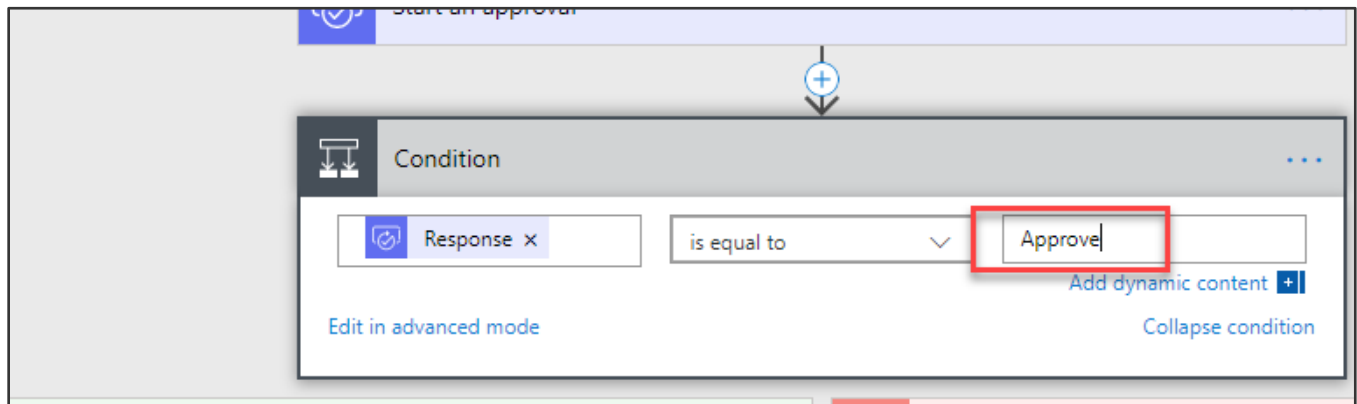
2. Click in the left edit box that says, "Choose a value" and select **Response** from the dynamic content pane. You may need to press the "+" icon below the edit box to hide the dynamic content pane.



3. Select **is equal to** for condition.



4. Type Approve for value.



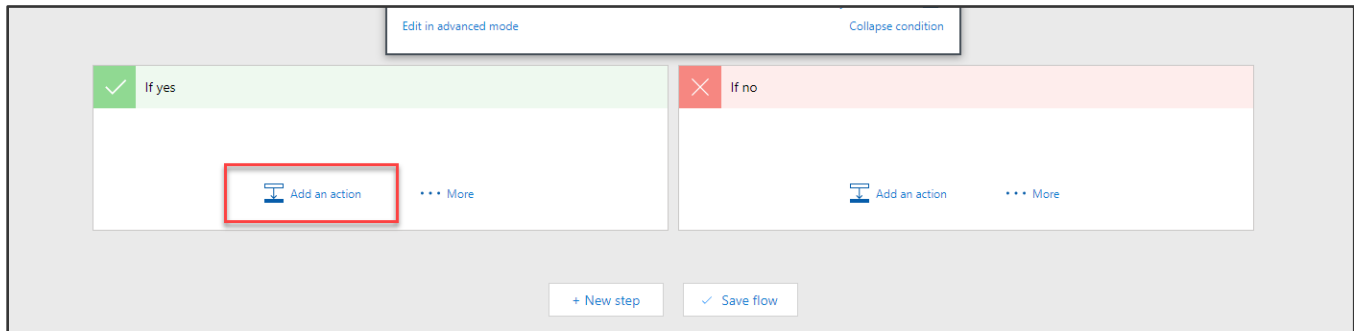
Task 2: Add conditional logic to flow

We will now configure what actions to perform if the response is approved or not – YES branch vs. NO branch.

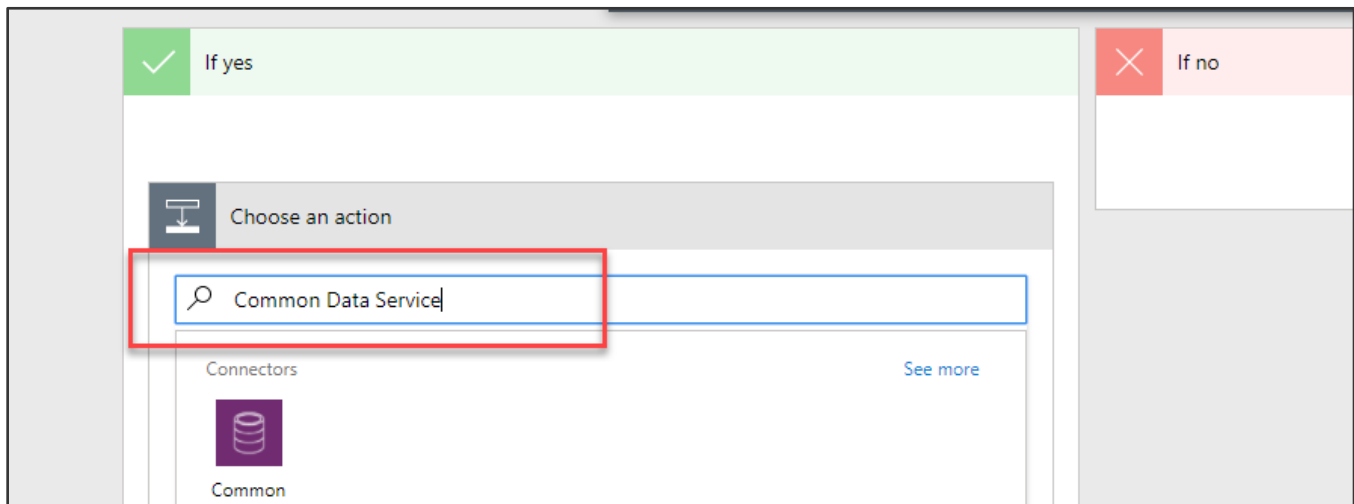
We will add two actions:

- Update the record in the Device Order table
- Send an email to the employee who requested the device

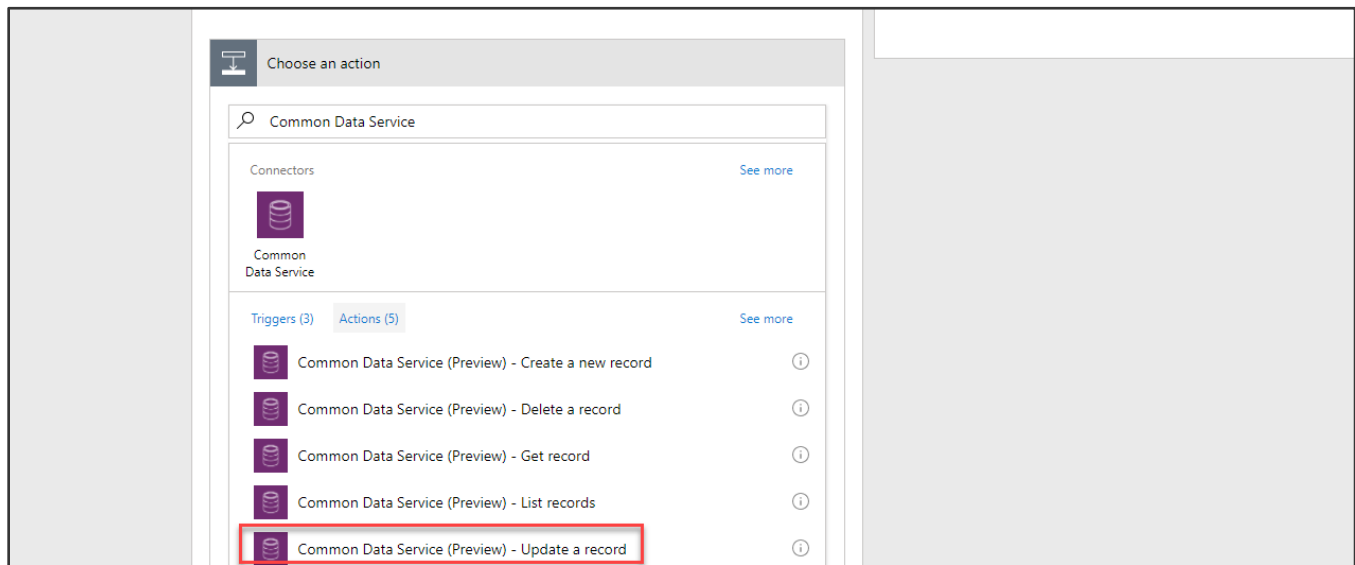
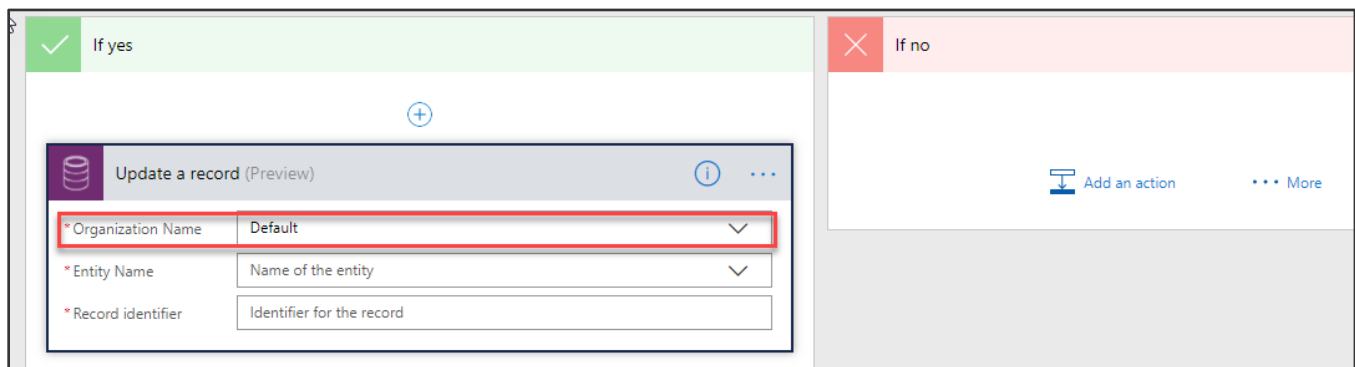
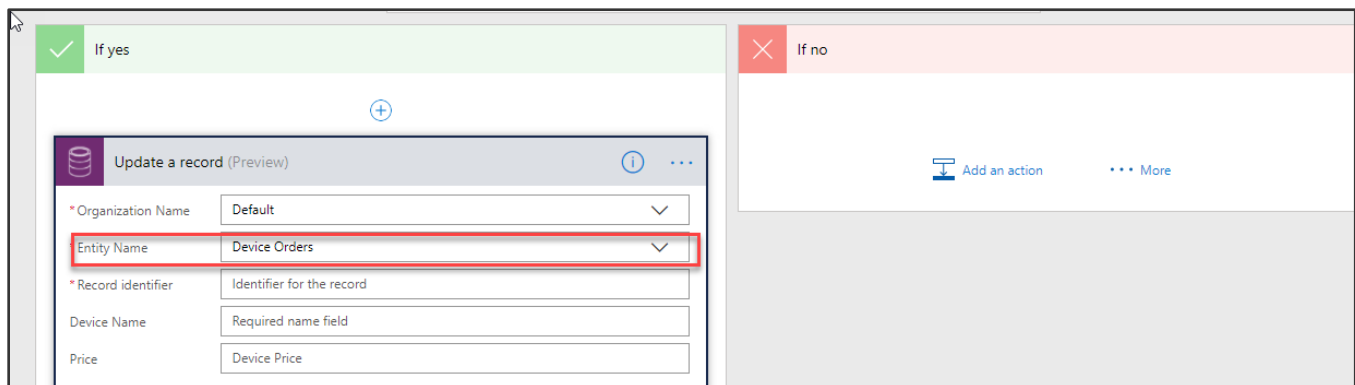
1. In the left **If yes** box, click **Add an action**



2. Search for **Common Data Service**.



3. Select Common Data Service – Update a Record

4. Select **Default** for **Organization Name**.5. Select **Device Orders** for **Entity Name**.

6. Select **Device Order** for **Record Identifier**.

The screenshot shows the 'Update a record (Preview)' form. The 'Record identifier' field is set to 'Device Order'. The 'Dynamic content' pane on the right shows the 'Device Order' entity selected, with the description 'Unique identifier for entity instances'.

This is the unique lookup Id for the record that was created.

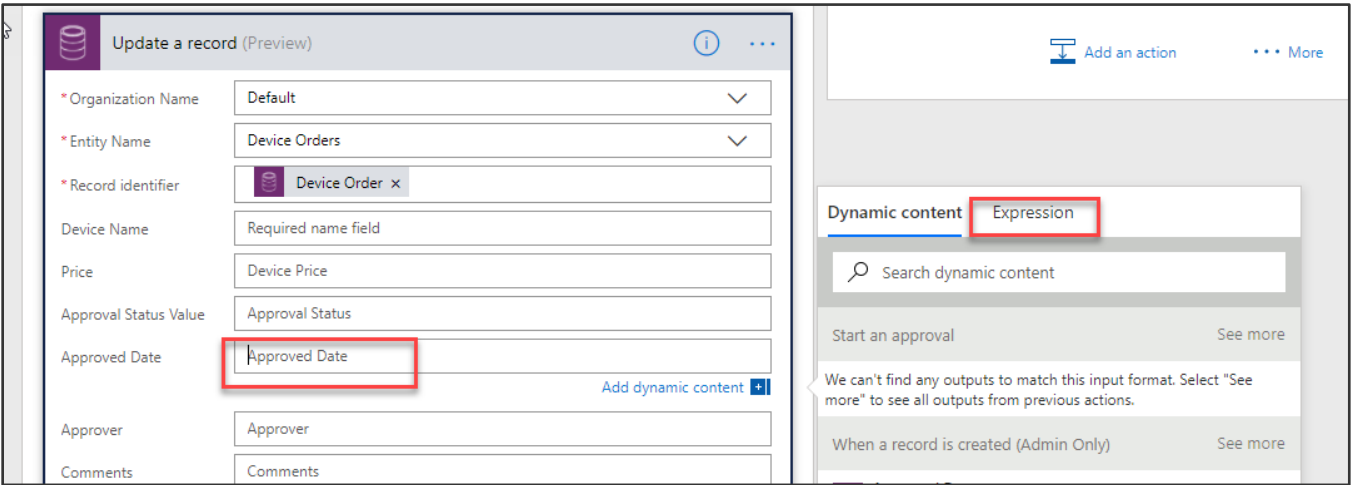
7. Click **Show advanced options** which can be found in blue text below the title field.
 8. Select **Approve** from the **Approval Status** drop-down.

The screenshot shows the 'Show advanced options' section. The 'Approval Status' drop-down menu is highlighted with a red box and shows 'Approve' selected.

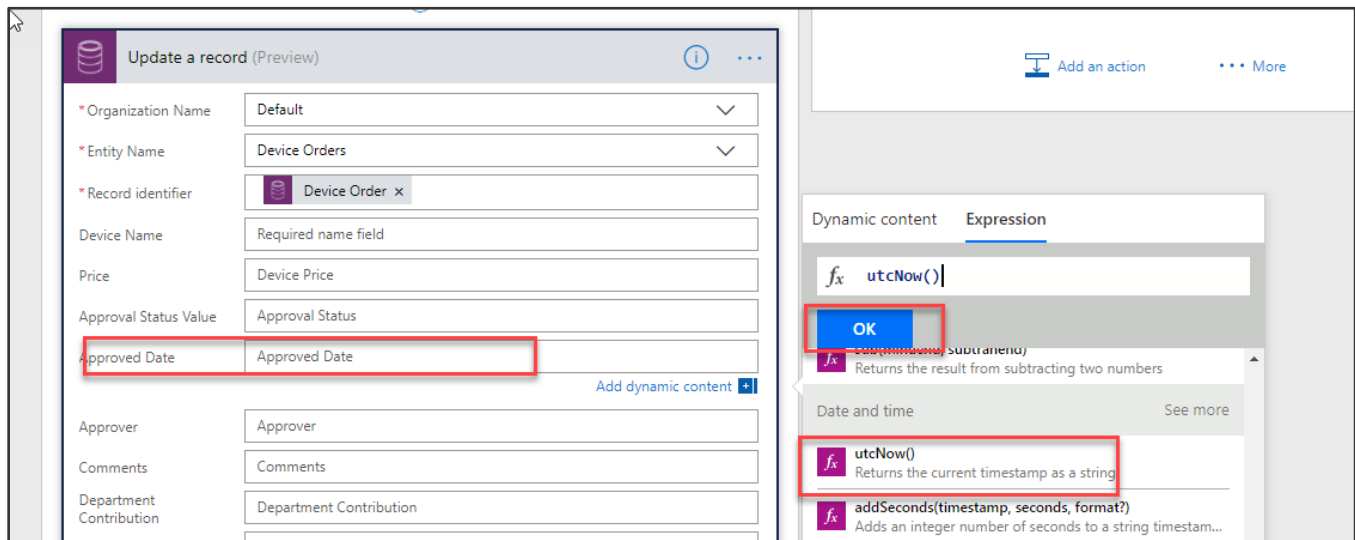
Note: Approval Status Value is not drop down – but Approval Status as mentioned below:

The screenshot shows the 'Device Name' and 'Price' fields. The 'Approval Status Value' field is highlighted with a red box and shows 'Approval Status'.

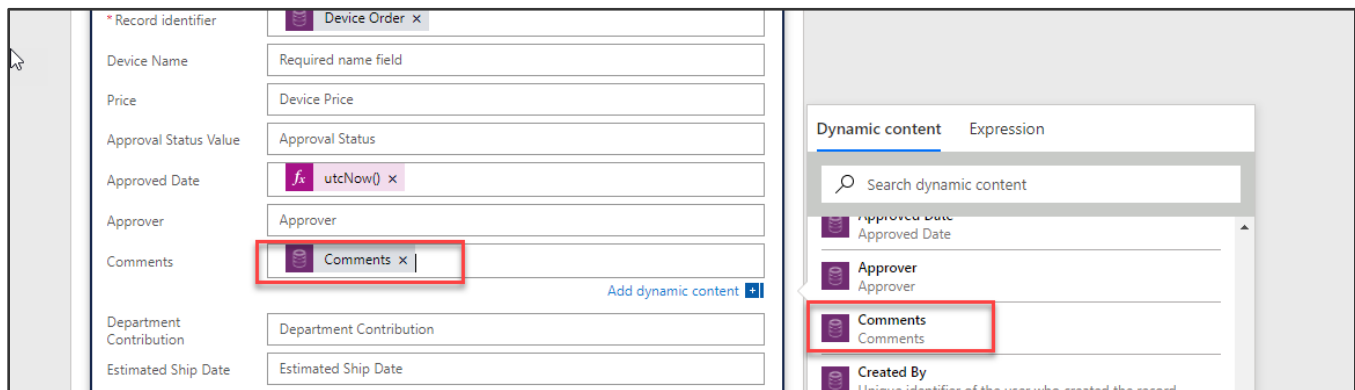
9. Select the **Approved Date** field and select the **Expression** tab.



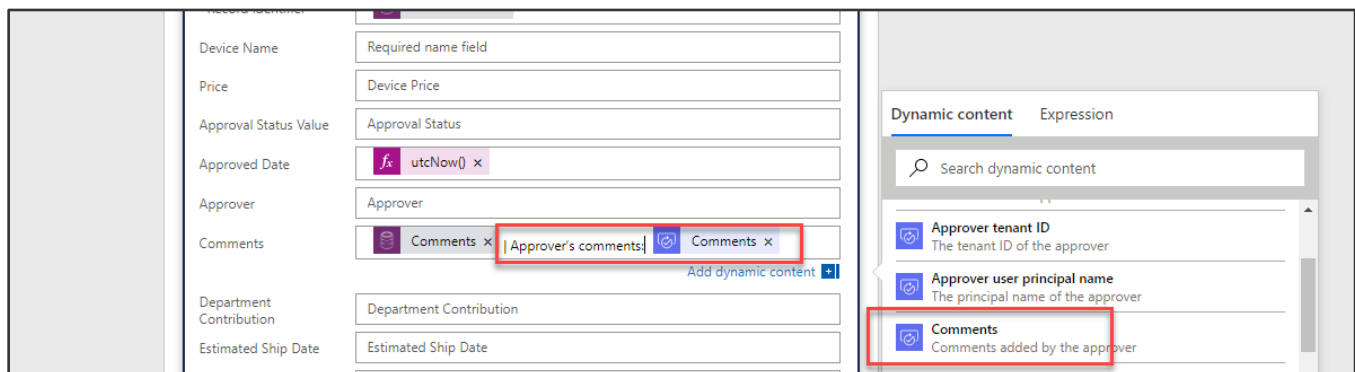
10. Select **utcNow()** and click **OK**.



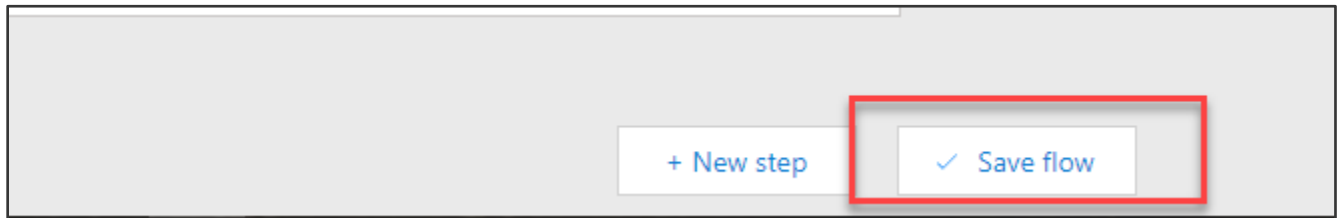
11. In the Comments field, we want to preserve the earlier comments and append on the comments from the approver. Select the **Comments** field and select **Comments**.



12. Type **| Approver's comments:** and select the Approver **Comments**.



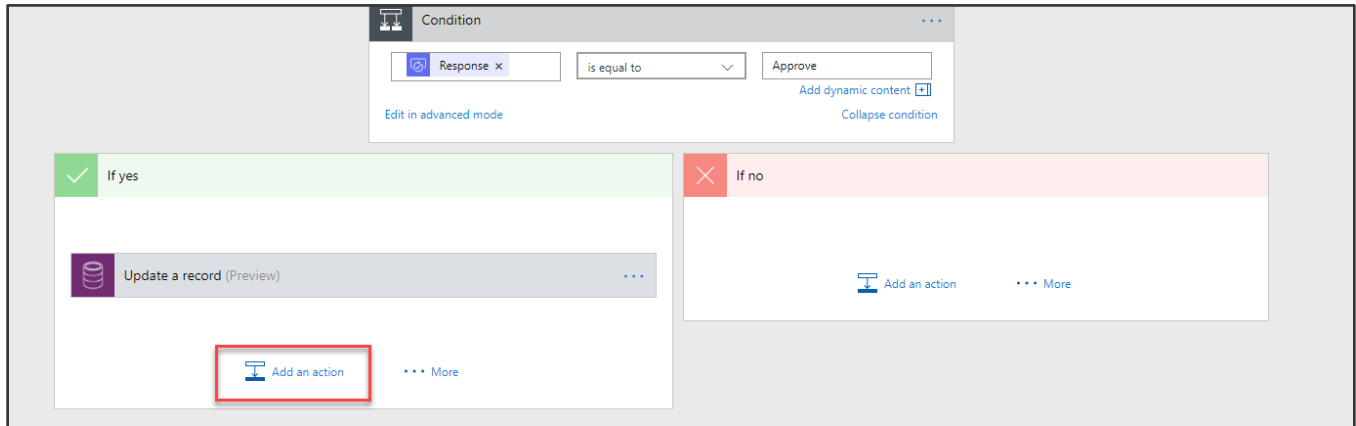
13. Save the Flow.



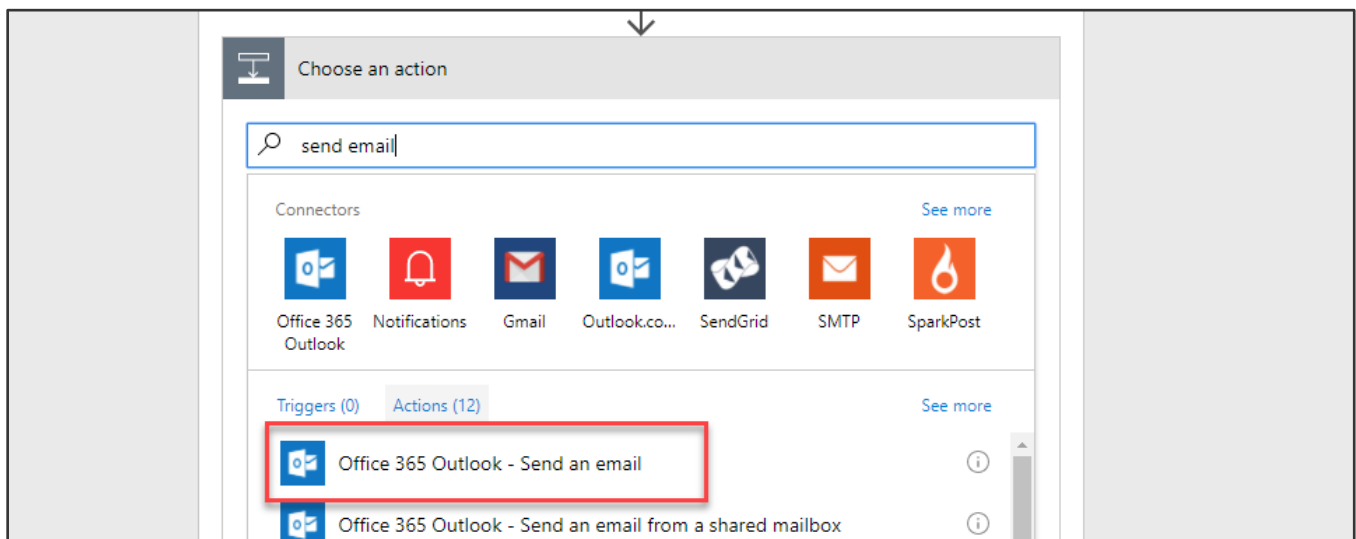
Task 3: Add another action

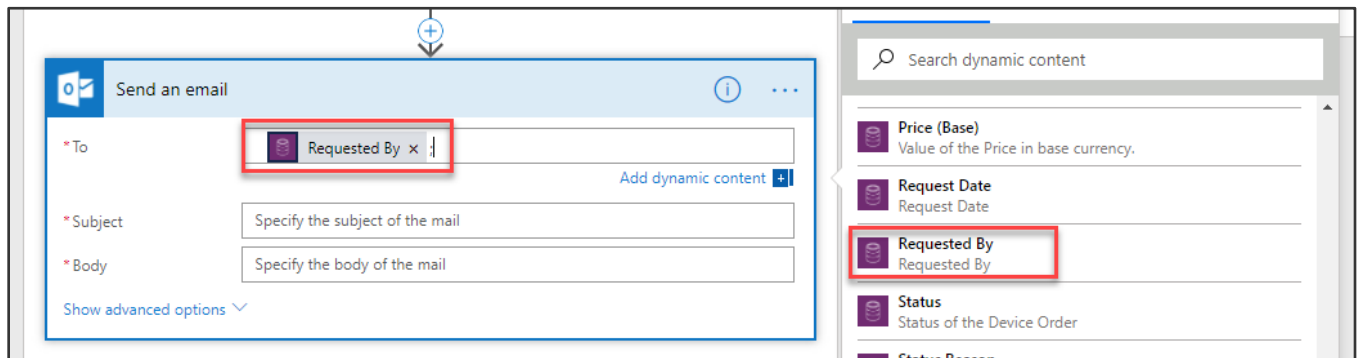
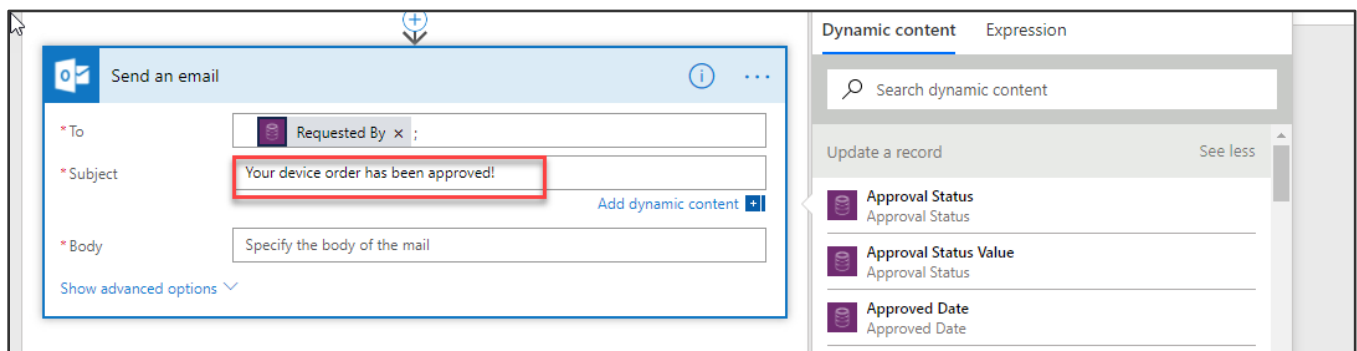
You will now add the send email action to the If Yes branch.

1. From within the Yes branch, Click **Add an Action**.

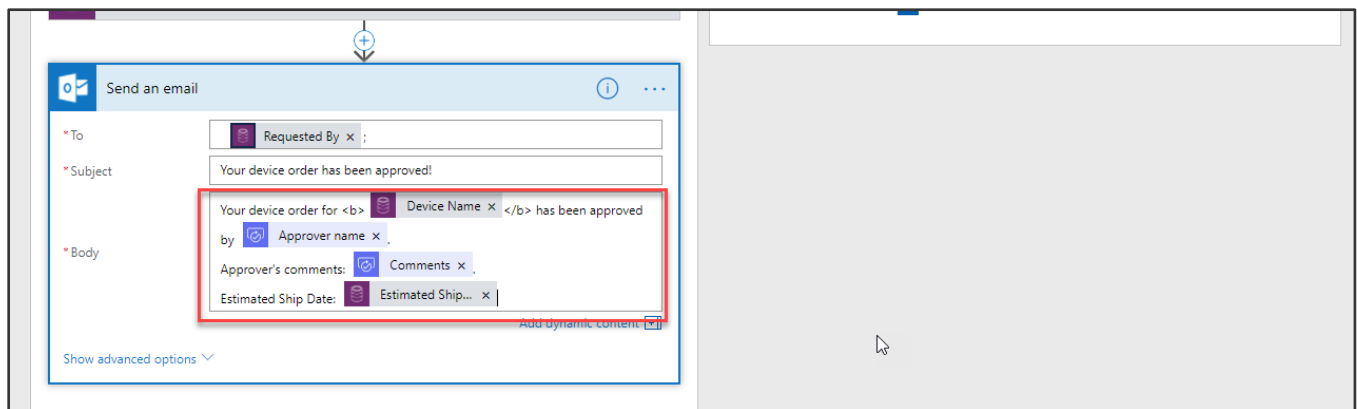


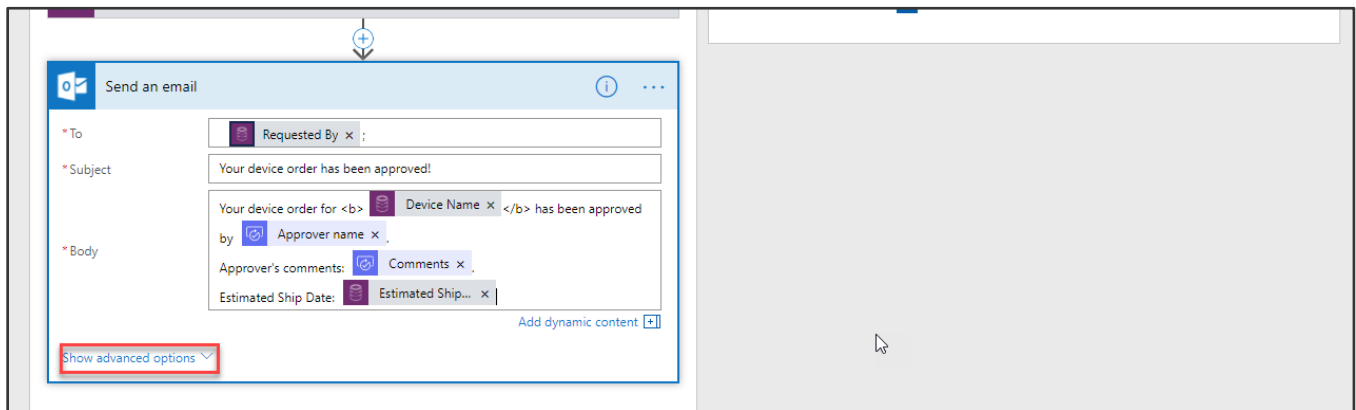
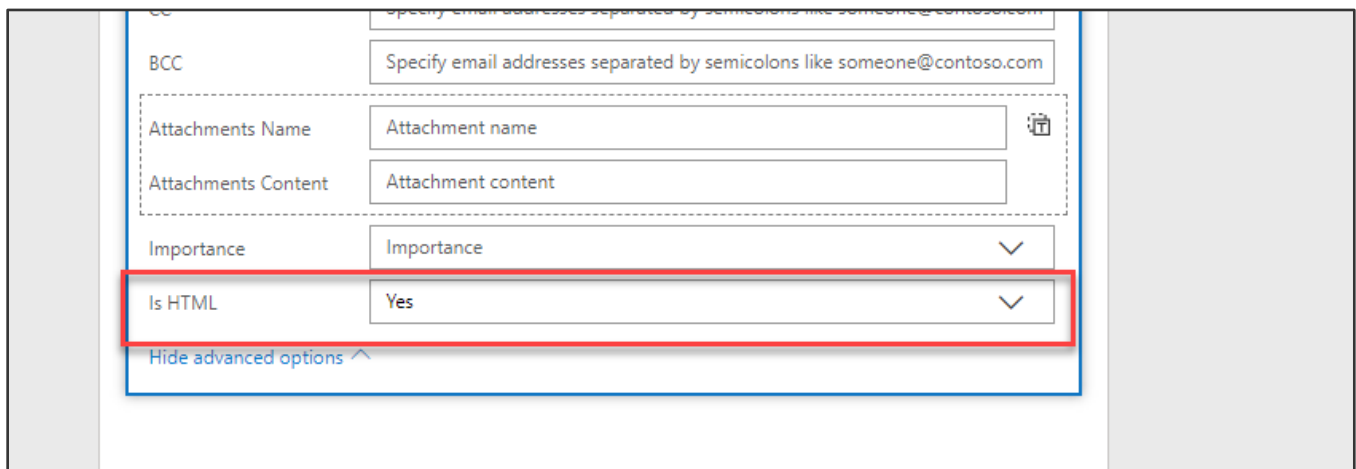
2. Search for **send email** and select **Office 365 Outlook - Send an Email**.



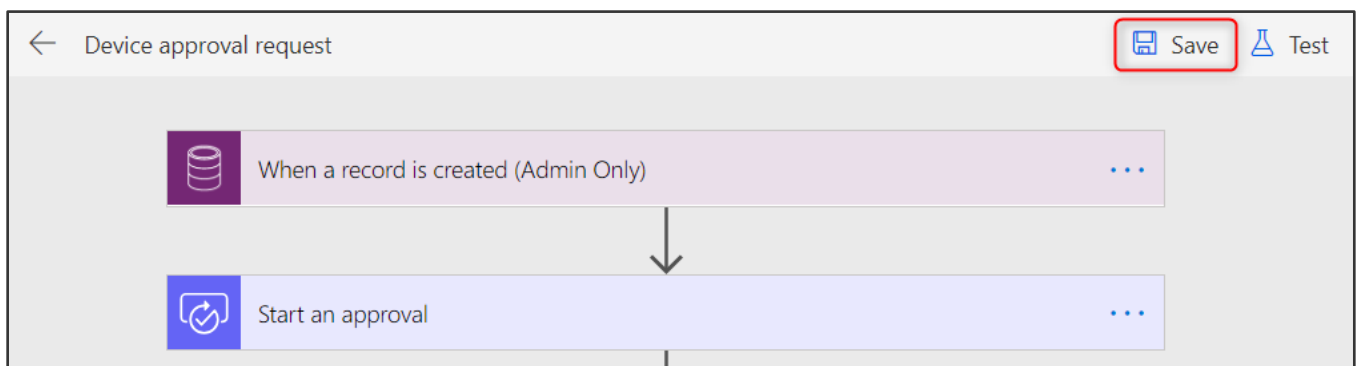
3. Select **Requested By** for **To**.4. Type **Your device order has been approved!** for **Subject**.

5. Set the Body value as shown below.



6. Click **Show Advanced Options**.7. Set **Is HTML** to **Yes**.

Note: If you do not have an Office 365 mailbox setup, you can use one of the other connectors to send the email, such as Outlook.com, Gmail or SendGrid.

8. Click **Save**.

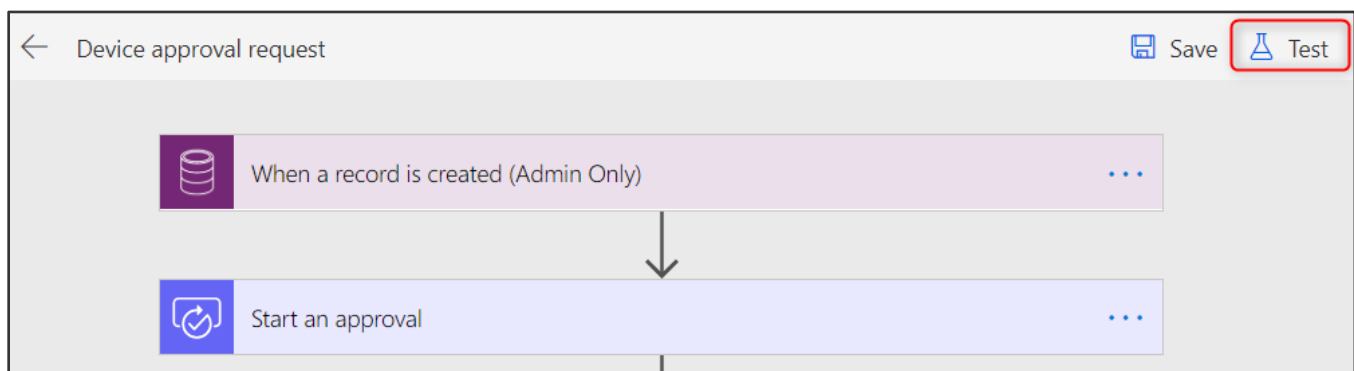
Exercise 3: Test the Flow

To test the Flow, you will:

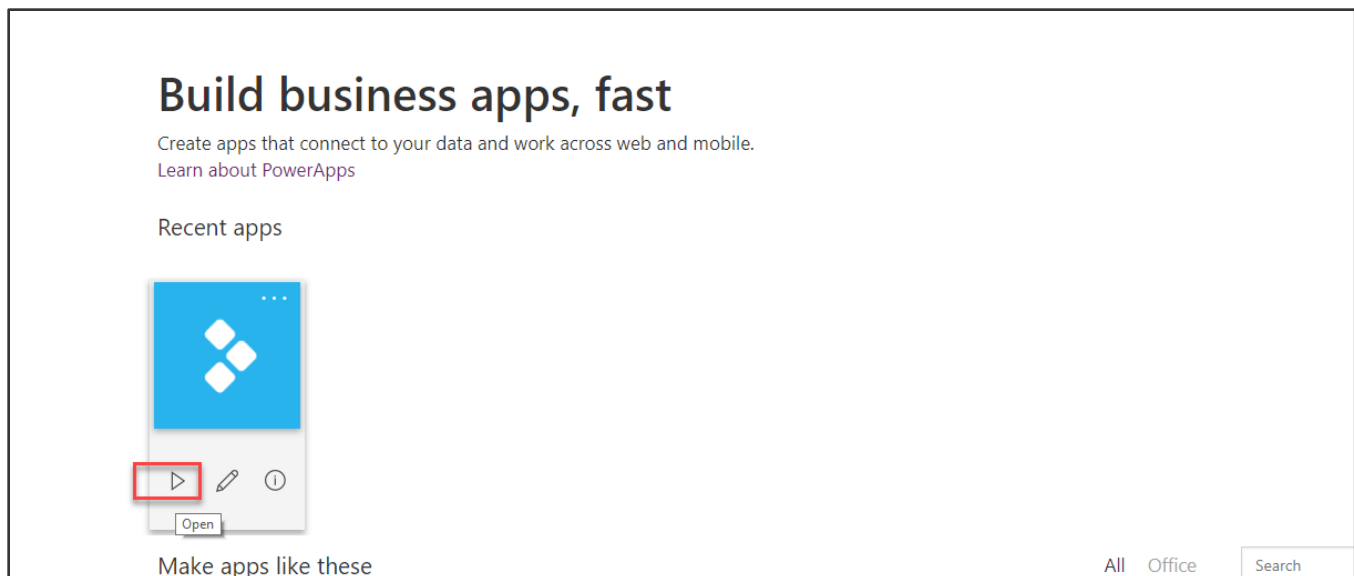
- Run the Device Ordering app and submit an approval request
- Verify the request was sent to the approver
- Approve the request
- Verify that the Common Data Service record was updated, and an email was sent back to the requestor

Task 1: Test the Flow

Note: When a new device record is added to the Device Order entity in CDS, it may take up to ten minutes for the flow to trigger. To ensure the flow runs immediately, select the **Test** option in the top right and select the **"I'll perform the trigger action"** option. Then go ahead and submit a device request. The flow should run immediately.



- To submit a device request, go to <http://web.powerapps.com> and run the Device Ordering App.



2. Select Few devices and click Compare.

The screenshot shows the 'Device Ordering App' interface. On the left, there is a vertical list of brand logos: acer, ASUS, DELL, hp, Microsoft, lenovo, SAMSUNG, SONY, and TOSHIBA. The main area displays five devices: Aspire U (\$1,899.99), Aspire M (\$699.99), Aspire S3 (\$628.00), Aspire S5 (\$1,049.99), and Aspire S7 (\$1,399.99). Below each device name and price is a 'Compare' checkbox. The checkboxes for Aspire U, Aspire M, and Aspire S3 are checked and highlighted with a red box. At the bottom, there is a 'Clear selection' button and a 'Compare 3 item(s)' button, which is also highlighted with a red box.

Device Name	Price	Compare
Aspire U	\$1,899.99	<input checked="" type="checkbox"/>
Aspire M	\$699.99	<input checked="" type="checkbox"/>
Aspire S3	\$628.00	<input checked="" type="checkbox"/>
Aspire S5	\$1,049.99	<input type="checkbox"/>
Aspire S7	\$1,399.99	<input type="checkbox"/>

3. Select one of the devices, provide email for Approver.

The screenshot shows the 'Device Ordering App' interface with a back arrow on the top left. The main area displays three devices: Aspire (\$1,899.99), Aspire (\$699.99), and Aspire (\$628.00). The details for the first device, Aspire, are shown on the right. The 'Approver' field is filled with 'hassan@julieyack.com' and is highlighted with a red box. The 'Comments' field is empty and labeled 'Enter justification'. The 'Requested By' field is filled with 'hassan@julieyack.com'.

Device Name	Price	Approver	Comments	Requested By
Acer - Aspire U	1899.99	hassan@julieyack.com	Enter justification	hassan@julieyack.com

4. Provide a comment and click Submit device request.

Device Ordering App Hello , Hassan Rag

Device Name	Price	Approver
Acer - Aspire U	1899.99	hassan@julieyack.com

Comments
I need this device for my super work!

Requested By
hassan@julieyack.com

Submit device request

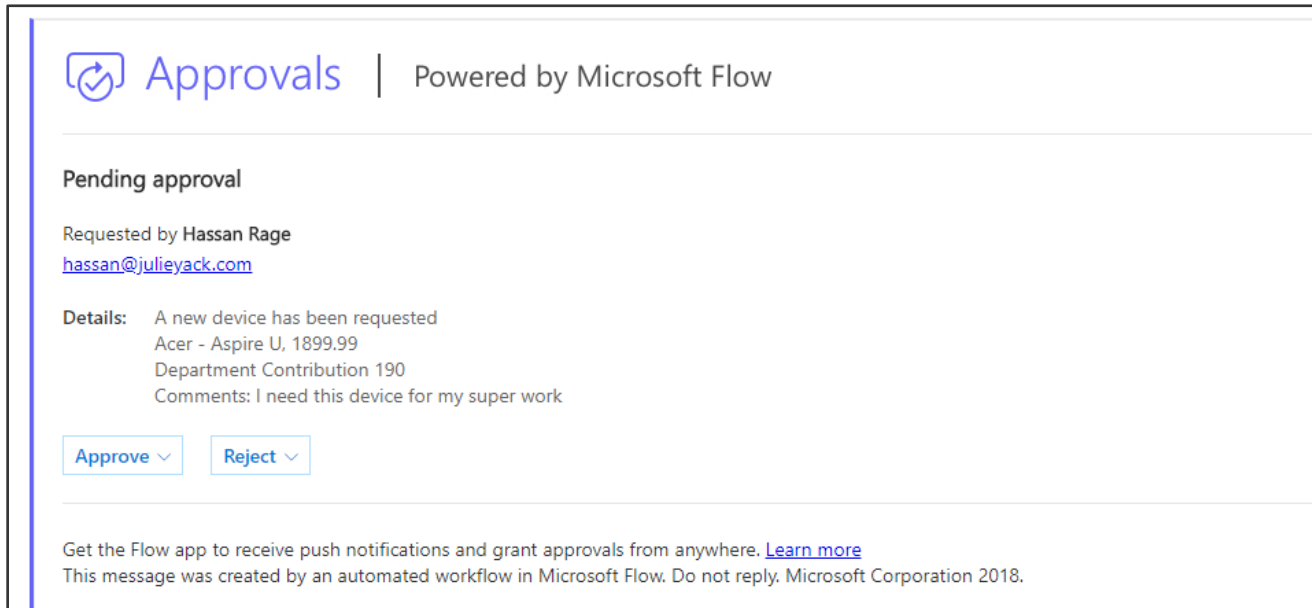
5. Click OK.

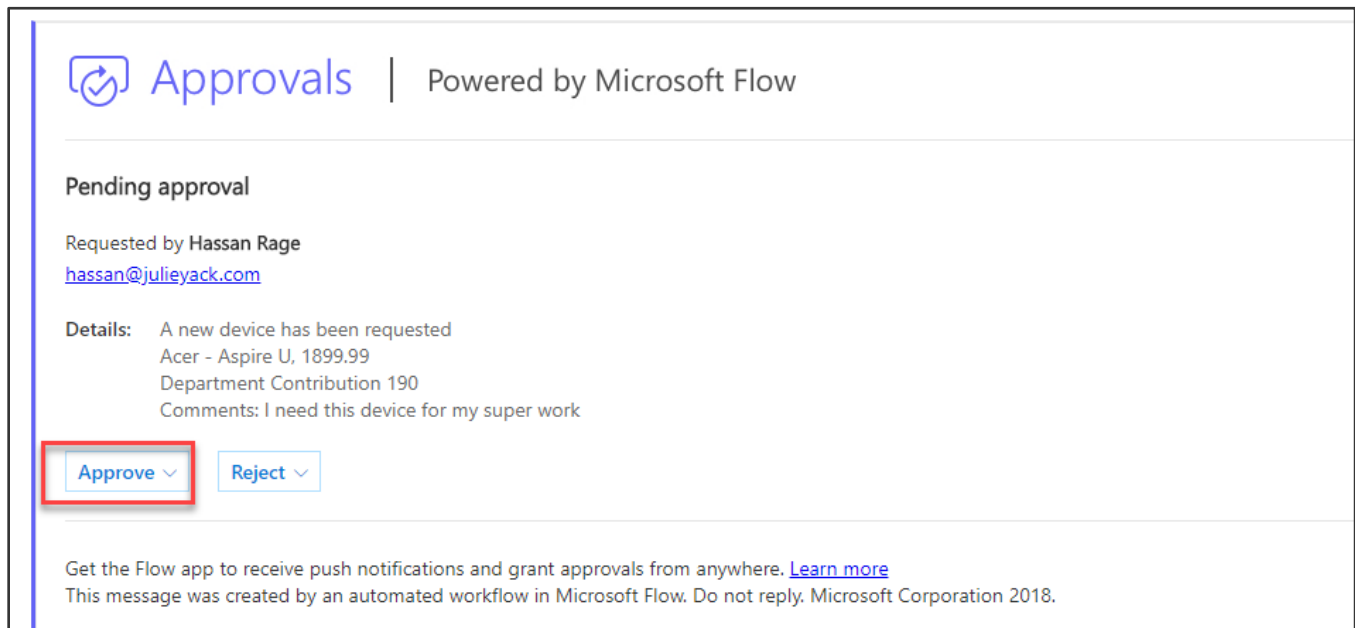
Your device request has been successfully submitted. Thank you."

OK

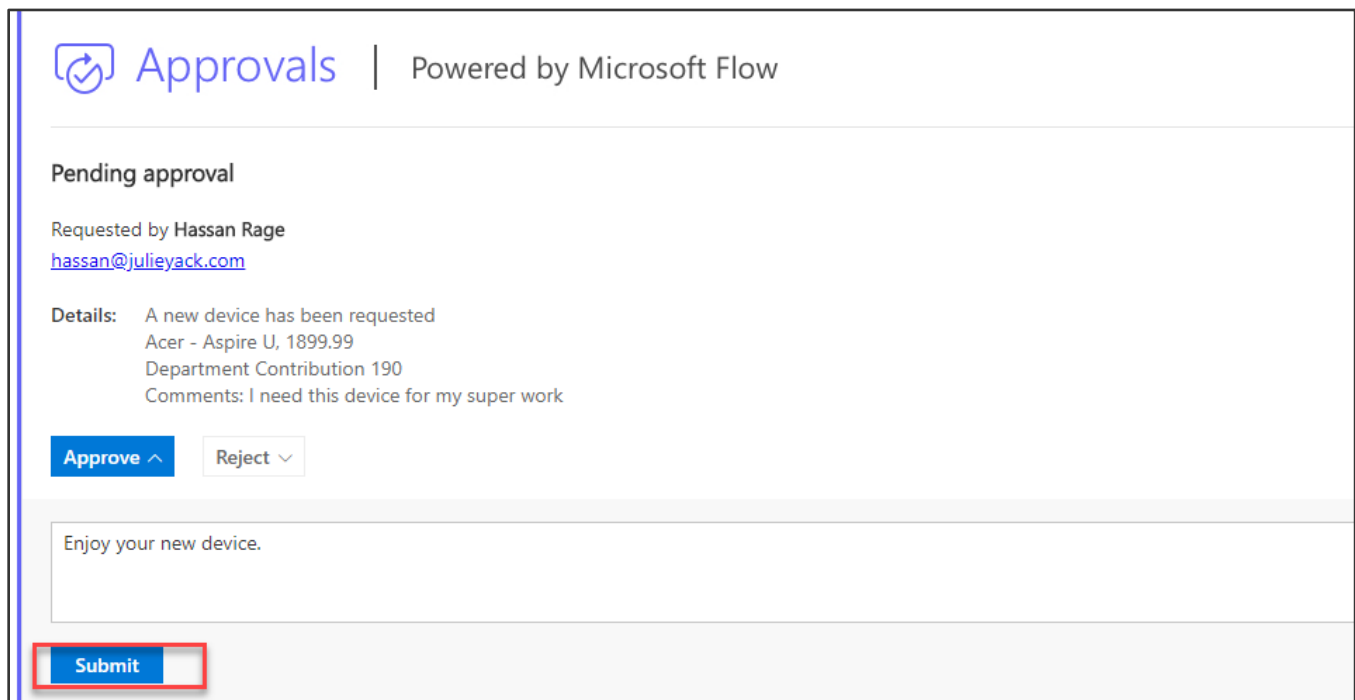
6. The Flow will run and send email to the manager email you provided. The request for approval email will look like the image below; it will include **Device information**, **Price**, **Department Contribution (the calculated field)**, and the **Requester Comment**.

REMINDER: If the flow does not run immediately, please wait, it may take up to 10 minutes for the flow to be triggered. To ensure the flow runs immediately, see note above - select the **Test** option in the top right and select the "I'll perform the trigger action" option. Then go ahead and submit a device request. The flow should run immediately.



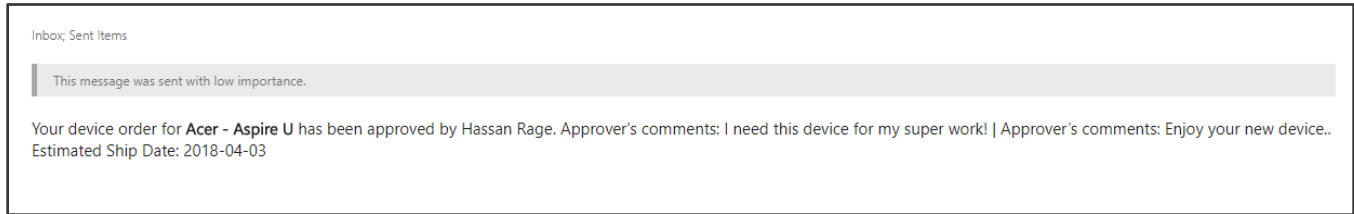
7. Click **Approve**.

The screenshot shows the 'Approvals' section of a Microsoft Flow app. At the top, it says 'Approvals | Powered by Microsoft Flow'. Below this, a 'Pending approval' card is displayed. The card indicates the request was made by 'Hassan Rage' with the email 'hassan@julieyack.com'. The details include: 'A new device has been requested', 'Acer - Aspire U, 1899.99', 'Department Contribution 190', and a comment 'I need this device for my super work'. At the bottom of the card, there are two buttons: 'Approve' (highlighted with a red box) and 'Reject'. Below the card, there is a footer with a link to 'Learn more' and a disclaimer: 'This message was created by an automated workflow in Microsoft Flow. Do not reply. Microsoft Corporation 2018.'

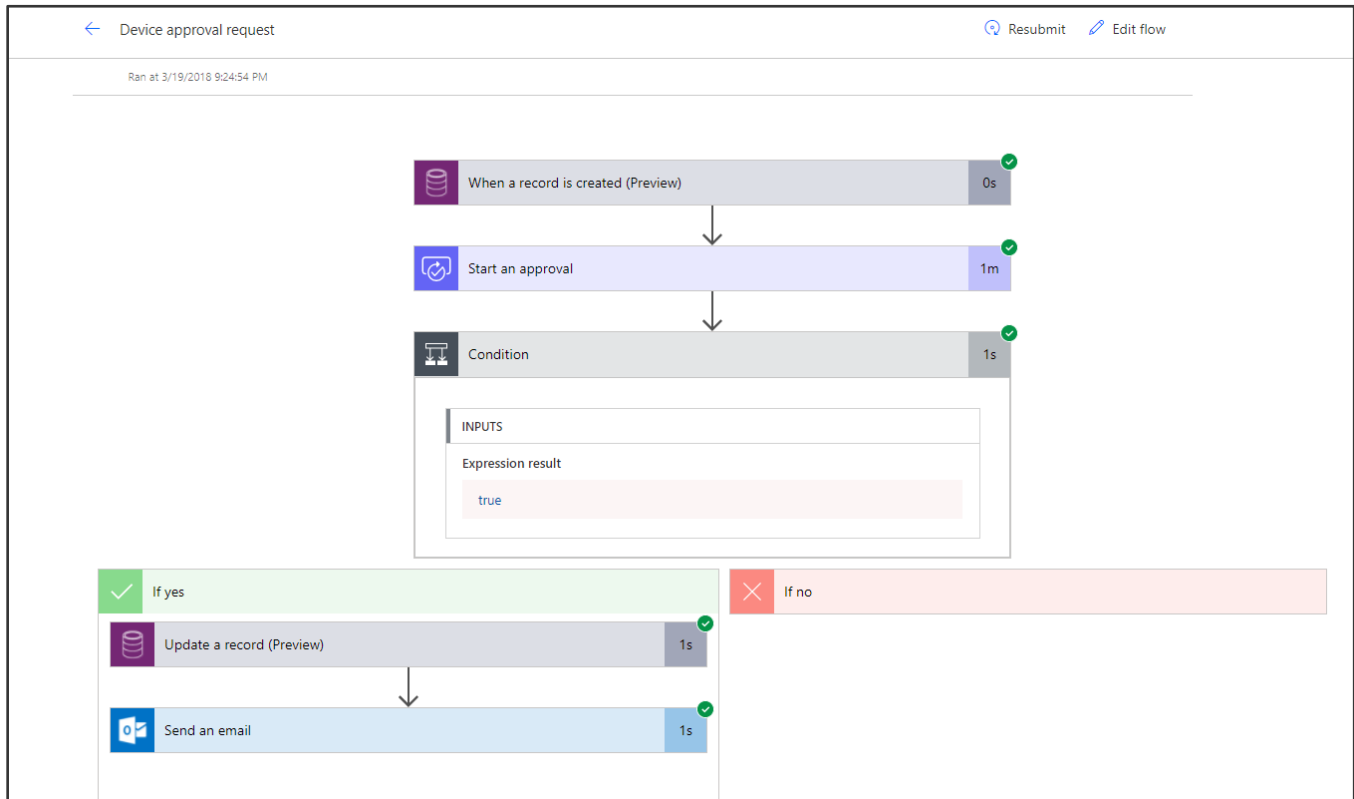
8. Add a comment and click **Submit**.

This screenshot shows the same 'Approvals' interface as the previous one, but with an additional text input field below the 'Approve' and 'Reject' buttons. The input field contains the text 'Enjoy your new device.' Below this field, the 'Submit' button is highlighted with a red box. The 'Approve' button now has an upward arrow, and the 'Reject' button has a downward arrow. The footer text remains the same.

9. The flow will continue to run; it will update the record and send an email to the requestor. The email sent to the Requester will look like the image below.



10. Check the flow dashboard; you will notice that the flow is now marked as **Succeeded** in the run history.

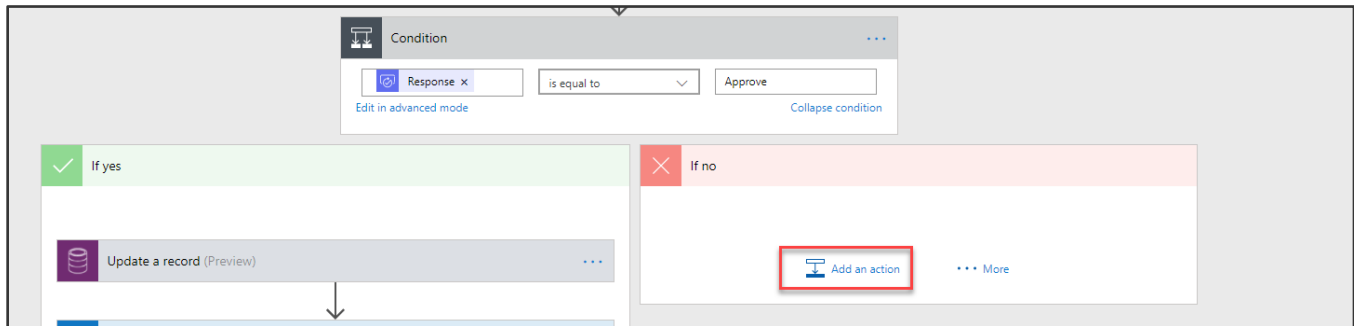


Exercise 4: Update the Flow

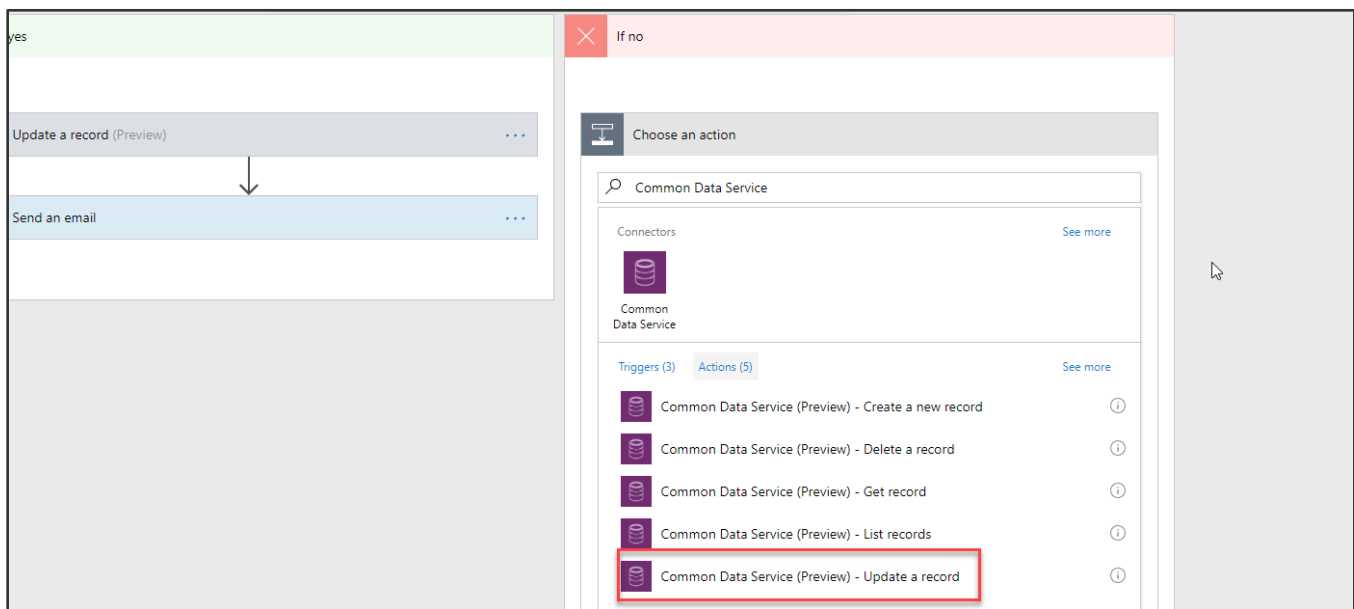
In this exercise, you will add two actions to the “if no” branch.

Task 1: Add actions

1. If you don't already have the flow open, open it in edit mode.
2. In the If no branch, click **Add an action**.



3. Search for **Common Data Service** and select **Common Data Service – Update Record**.



4. Select **Default** for **Organization Name**, **Device Orders** for **Entity Name**, select **Device Order** for **Record Identifier**, and click **Show Advanced Options**

Update a record 2 (Preview)

* Organization Name: Default

* Entity Name: Device Orders

* Record identifier: Device Order x

Device Name: Required name field

Price: Device Price

Show advanced options

Dynamic content

- Currency: Unique identifier of the currency associated with the record
- Currency Type: Unique identifier of the currency associated with the record
- Device Name: Required name field
- Device Order: Unique identifier for entity instances
- Estimated Ship Date: Estimated Ship Date
- Modified By: Unique identifier of the user who modified the record

5. Select **Reject** for **Approval Status**.

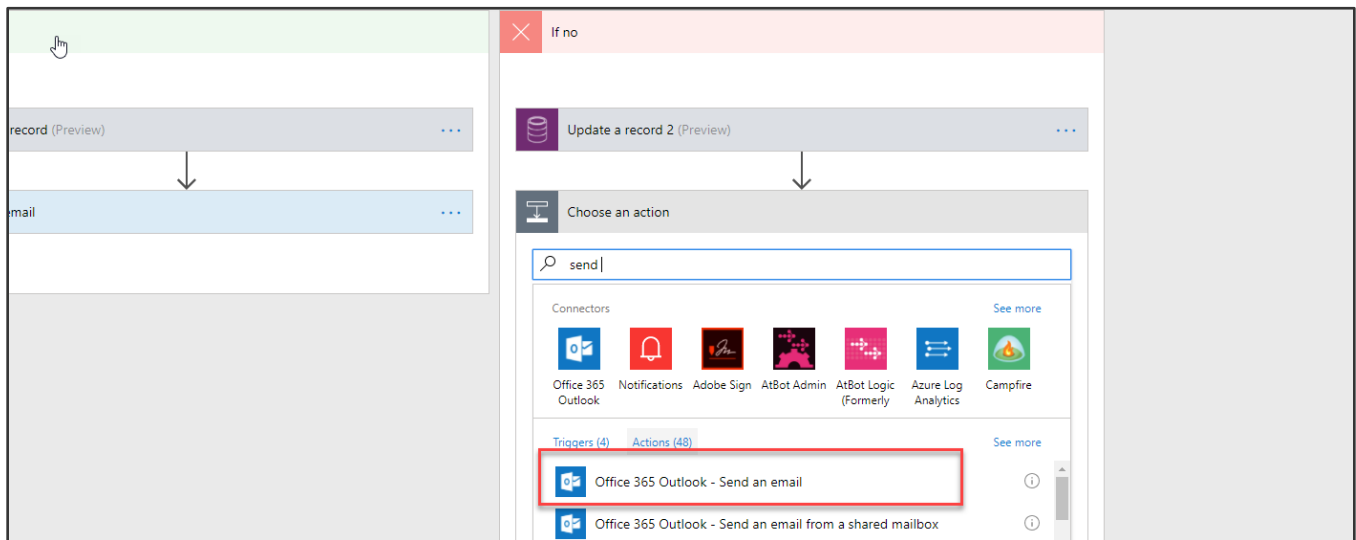
Request Date	Request Date
Requested By	Requested By
Status Reason Value	Reason for the status of the Device Order
Status Value	Status of the Device Order
Time Zone Rule	For internal use only.
Version Number	
UTC Conversion Time	Time zone code that was in use when the record was created.
Zone Code	
Approval Status	Reject
Currency	Unique identifier of the currency associated with the entity.
Owner	Owner Id

6. Click **Add an Action**.

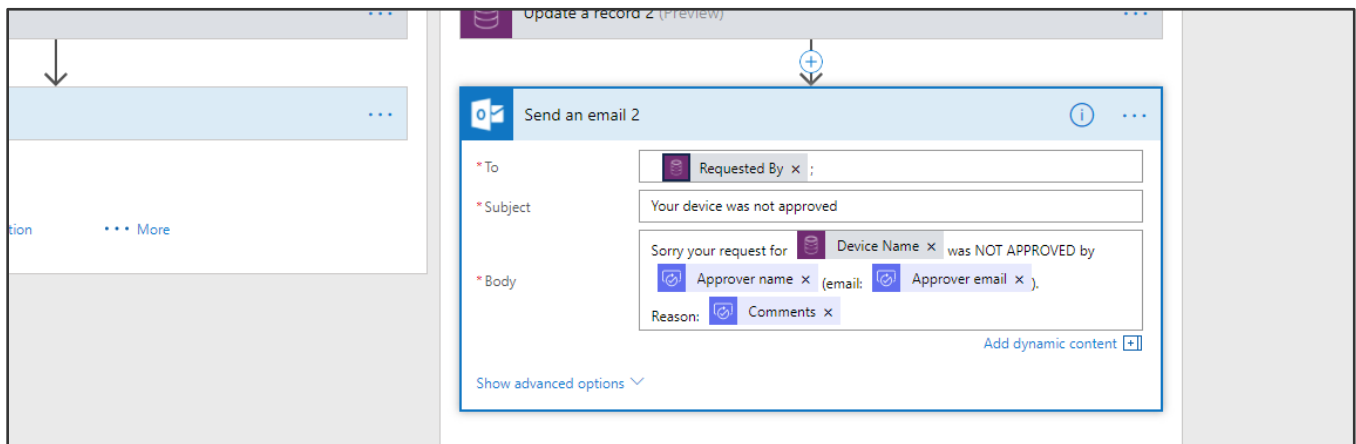
Add an action

More

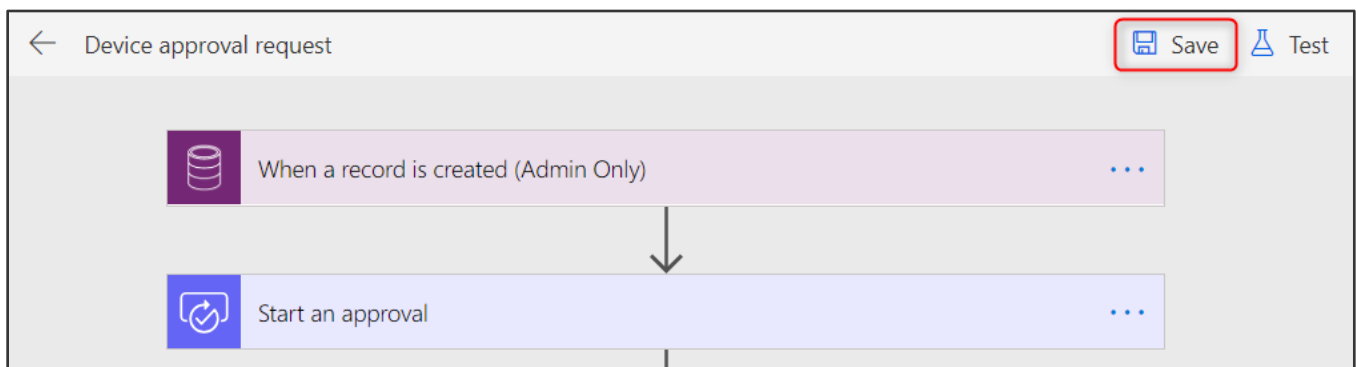
7. Search for **send email** and select **Office 365 Outlook Send an Email**.



8. Provide the information shown on the image below. This will send an email to the requestor informing them that their device request was not approved.



9. **Save** the flow.



Task 2: Test the updated Flow

1. Click **Test** in the top right of the flow editor.
2. Run the Device Ordering app -> Select a device and submit an approval request.
3. You should receive an email with options to Approve or Reject the request. Select **Reject** this time and enter some comments, such as "Not eligible for new device." Click Submit.

The screenshot shows the 'Approvals' section of a Microsoft Flow app. At the top, it says 'Approvals | Powered by Microsoft Flow'. Below this, a 'Pending approval' card is displayed. The card indicates it was 'Requested by Hassan Rage' with the email 'hassan@julieyack.com'. The details section states: 'A new device has been requested', 'Dell - XPS 15, 1299.99', 'Department Contribution 130', and 'Comments: This will work best for me.' There are two buttons: 'Approve' with a dropdown arrow and 'Reject' with an upward arrow. The 'Reject' button is highlighted with a red box. Below the buttons is a text input field containing 'Not eligible for new device,'. At the bottom left, a 'Submit' button is also highlighted with a red box.

4. Confirm that the requestor receives an email informing them that their device approval request was rejected.

The screenshot shows an email notification. The header says 'Your device was not approved'. The sender is 'Hassan Rage' with a profile picture showing 'HR' and a green checkmark. The timestamp is 'Today, 10:01 AM' and the name 'Hassan Rage' is followed by a dropdown arrow. Below this, it says 'Inbox; Sent Items'. A grey bar indicates 'This message was sent with low importance.' The main body of the email reads: 'Sorry your request for Samsung - Series 7 Gamer was NOT APPROVED by Hassan Rage (email: hassan@julieyack.com). Reason: Not eligible for new device.'

5. Navigate to <https://web.powerapps.com> select Device Order entity and a confirm that the **Device Order** entity record in the Common Data Service is updated with **Approval Status** set to **Rejected**.

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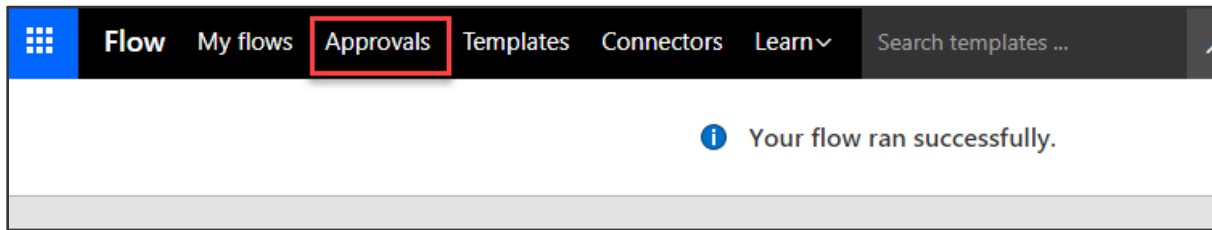
FieldsKeysRelationshipsViewsBusiness rulesData

Search by approver

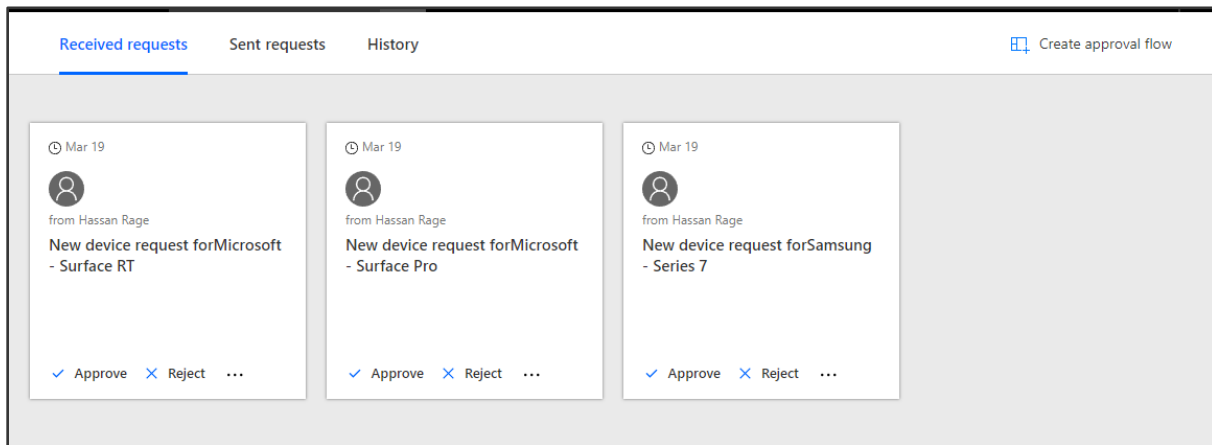
RY NAME	CREATED ON	ESTIMATED SHIP DATE	VERSION NUMBER	MODIFIED BY (DELEGATE)	RECORD CREATED ON	APPROVAL STATUS	STATUS	STATUS REASC
	* 3/19/2018, 4:24 pm	4/2/2018, 8:57 pm	461.000			Approve	Active	Active
	* 3/19/2018, 4:27 pm		451.676				Active	Active
	* 3/19/2018, 10:22 pm		461.018			Reject	Active	Active

Task 3: Visit the approval center

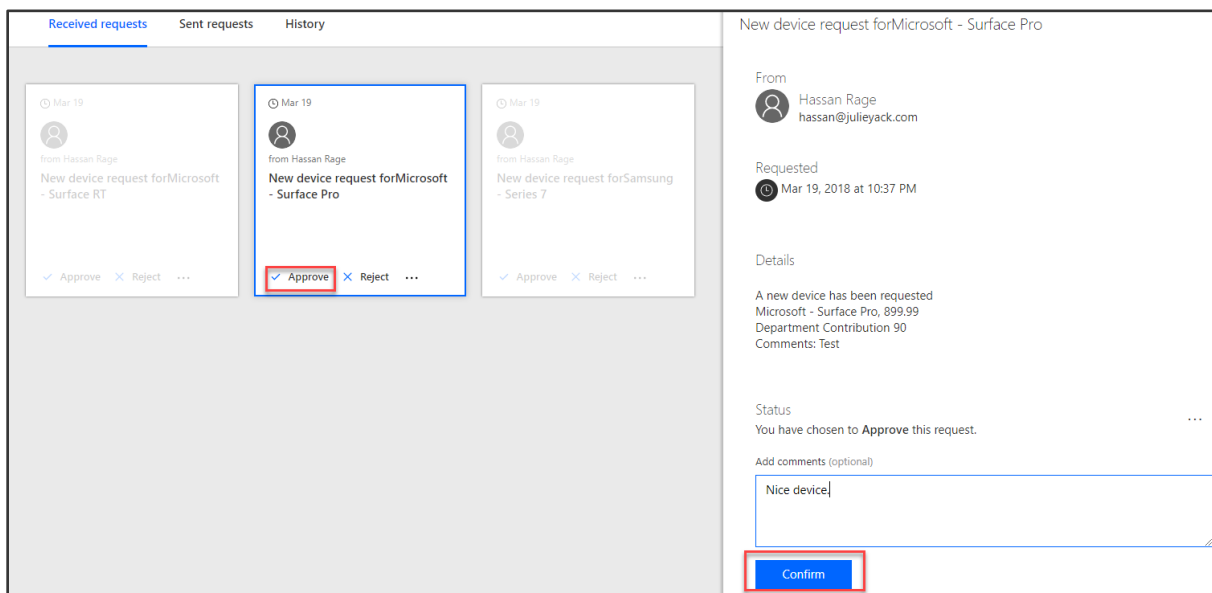
1. Use the Device Ordering App to **submit a few more approval requests**.
2. Go back to Flow and select Approvals.



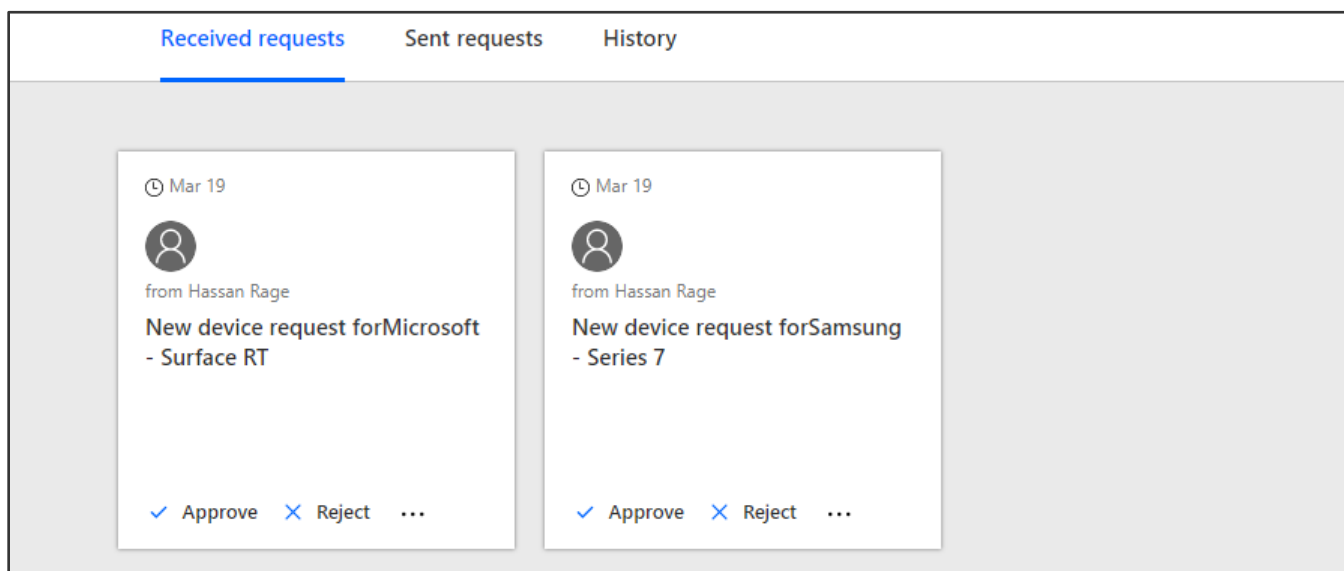
6. Notice that all pending approval requests are visible.



7. Go ahead and approve or reject a request from this screen. The details are displayed in the right pane where you can **enter comments** and **Confirm**.

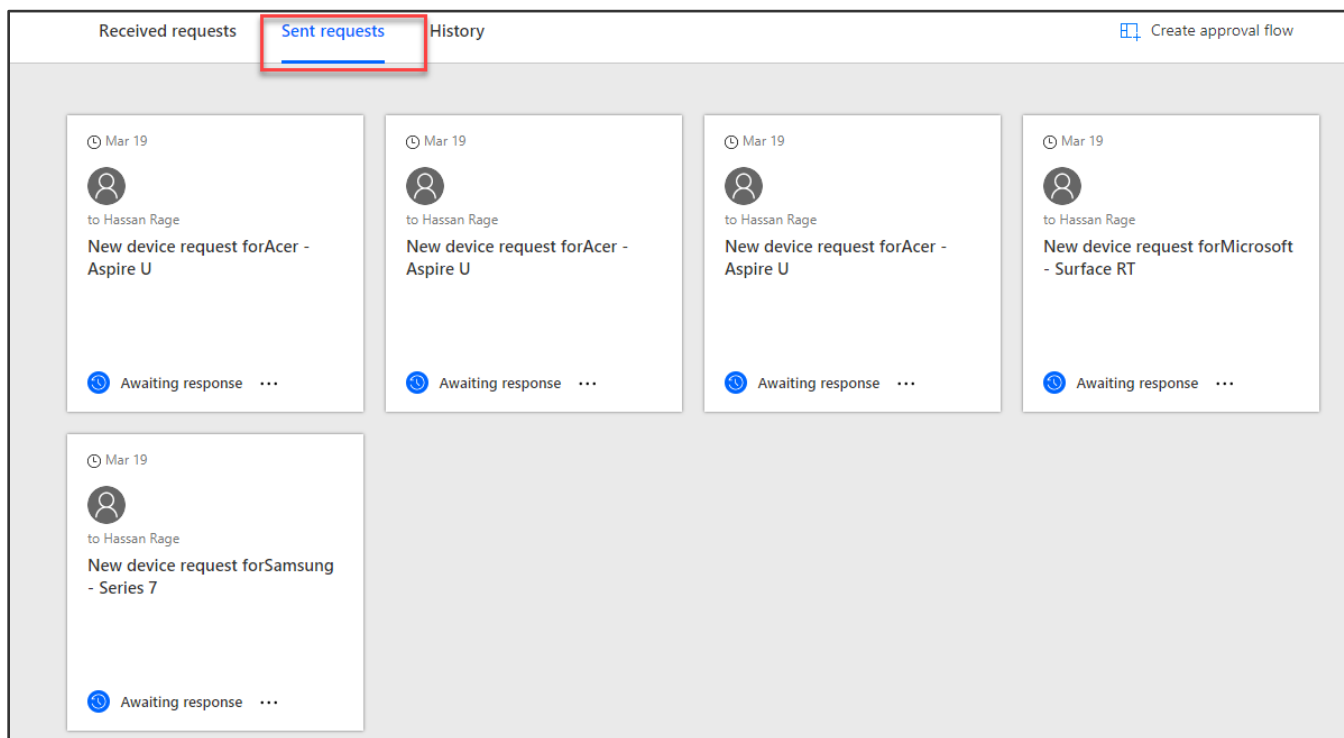


8. The request will no longer be visible as it has been processed.



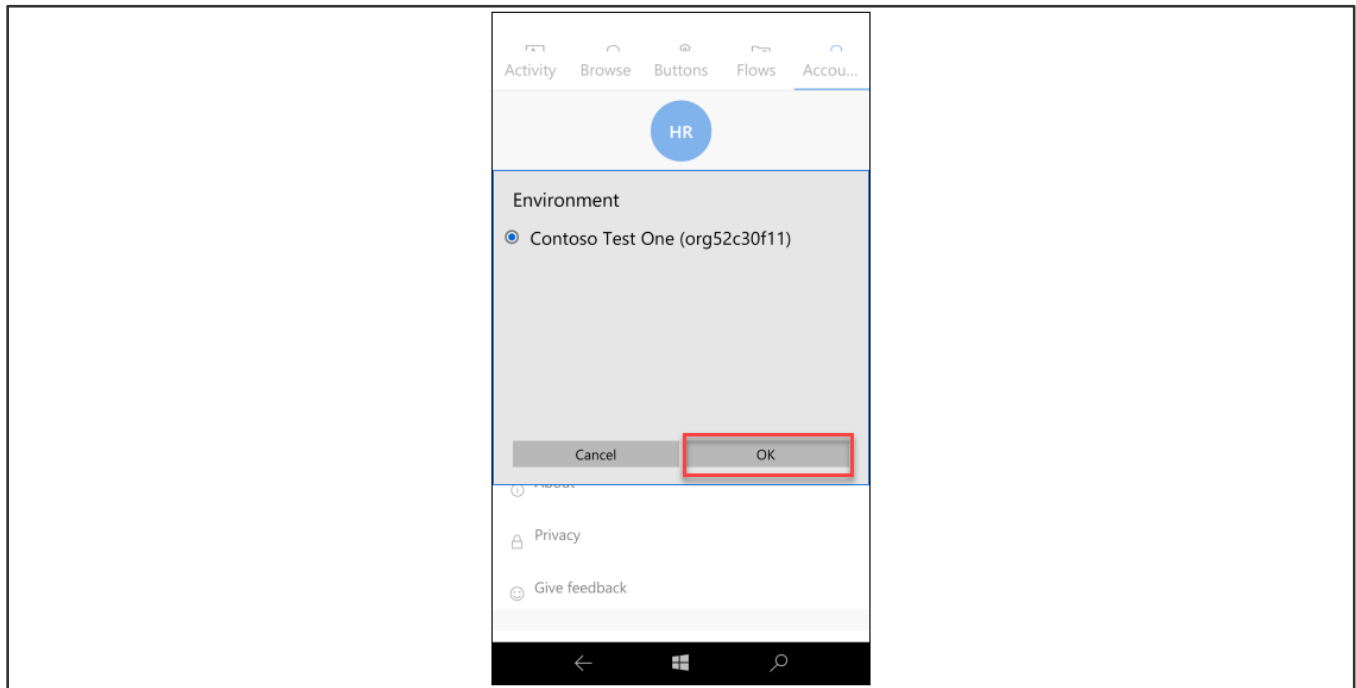
Note: All approval requests sent to the current logged on user will be visible in the Approvals Center. This includes approvals sent from any app or flow.

9. You can also use the Approvals Center to view all requests that you have sent and are **Awaiting response** from the approver. Select the **Sent requests** tab at the top to view all requests that you have sent.

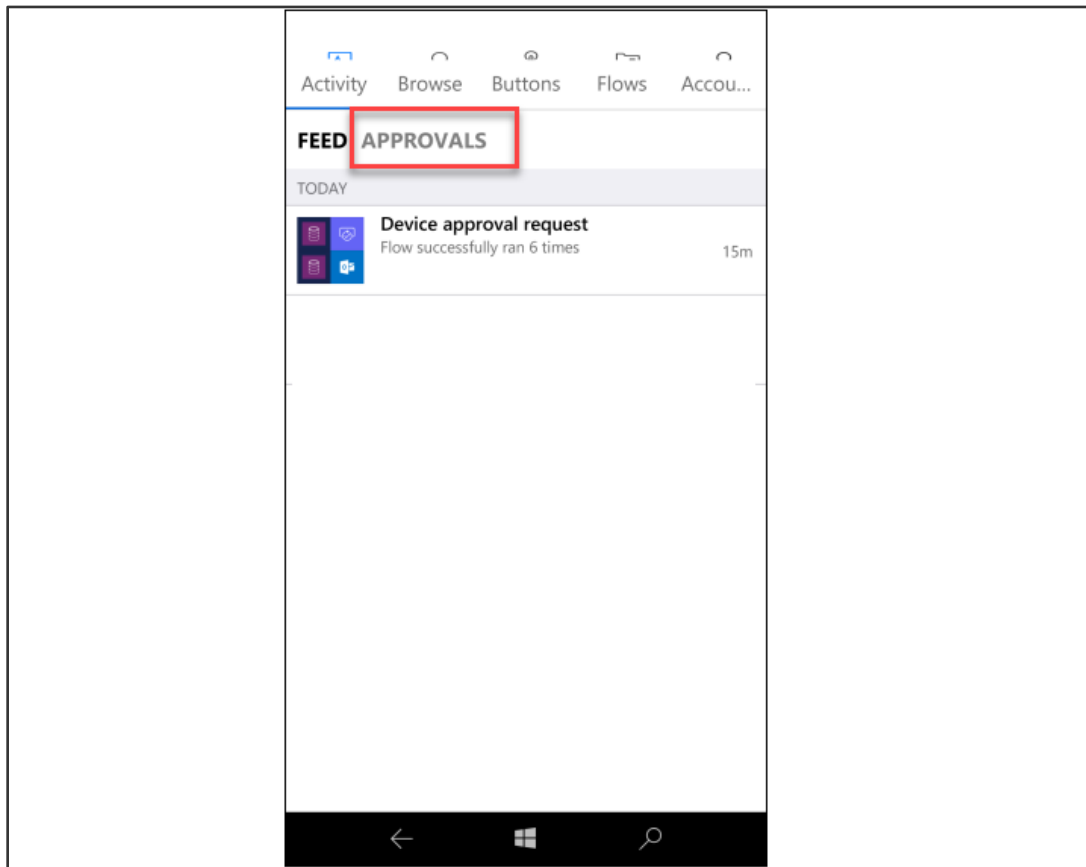


10. Open the **Microsoft Flow mobile app** on your mobile device.

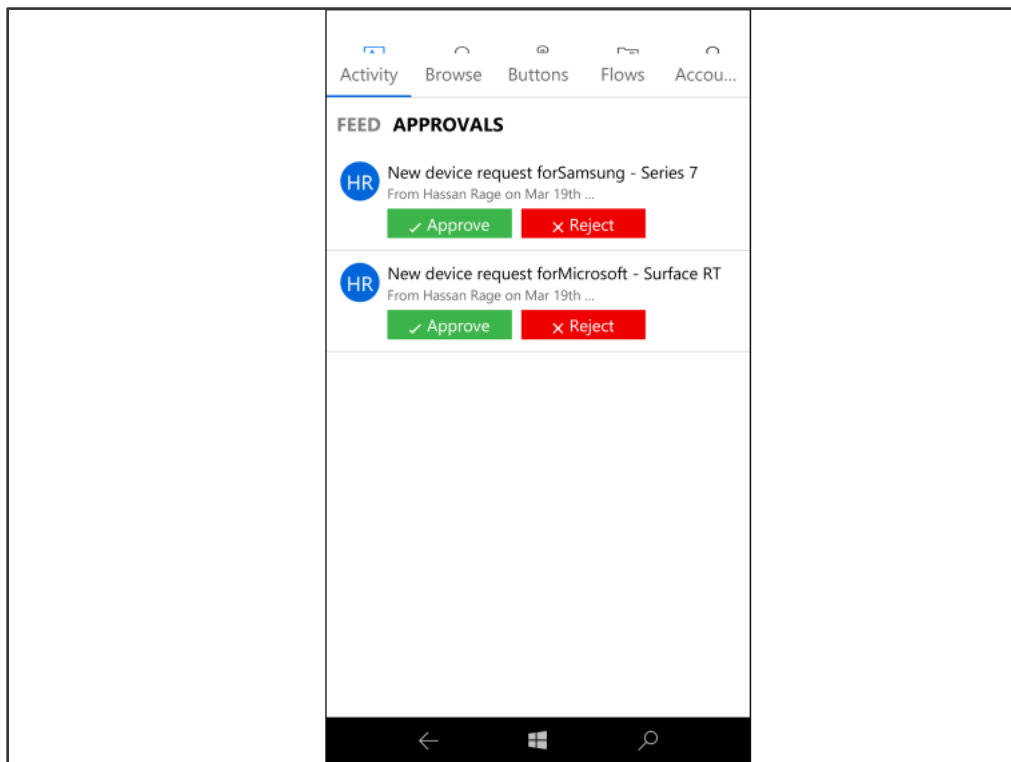
11. Login and switch to the environment where the flow is deployed.



12. Select **Approvals** in the top right and view all pending approvals.



13. You can quickly approve or reject these pending requests from this screen.



14. If you have push notifications turned on and are signed into the Flow mobile app -- if you receive a new Approval request it will trigger a push notification on your phone. You can give this a shot.

Congratulations! You have successfully completed this lab. You have created your PowerApps app and flow and connected them to a Common Data Service entity. Now you are ready to build your own apps and workflows.

Lab survey

We would appreciate your feedback on the Business Application Platform technologies and on this hands-on-lab, such as the quality of documentation and the usefulness of the learning experience.

Please use the survey at <http://aka.ms/appinadayLabSurvey> to share your feedback.

You may provide feedback for each module as you complete it or at the end once you've completed all the modules. Thank you!

References

App in a Day introduces some of the key functionalities available in PowerApps, Microsoft Flow and the Common Data Service. For a more detailed list of PowerApps learning resources, see <http://aka.ms/powerapps-resources>. For a detailed list of Microsoft Flow resources, see <http://aka.ms/flow-resources>.

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