

Module 6 - Application Lifecycle Management

Lab 1

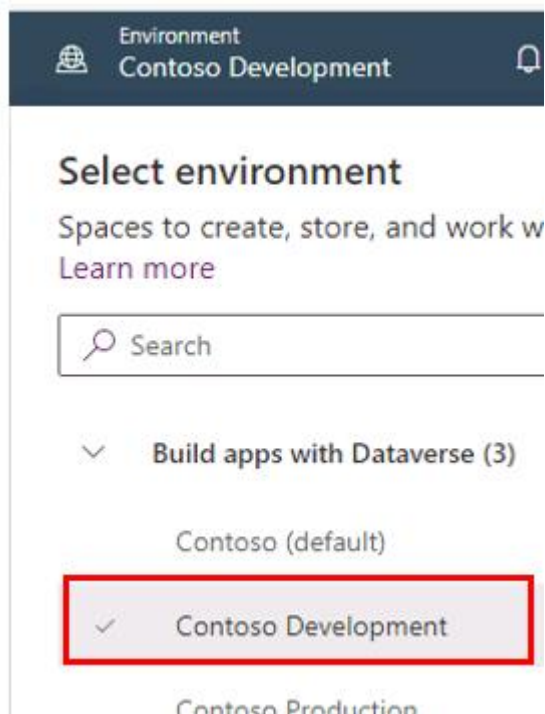
Estimated Time

60 minutes

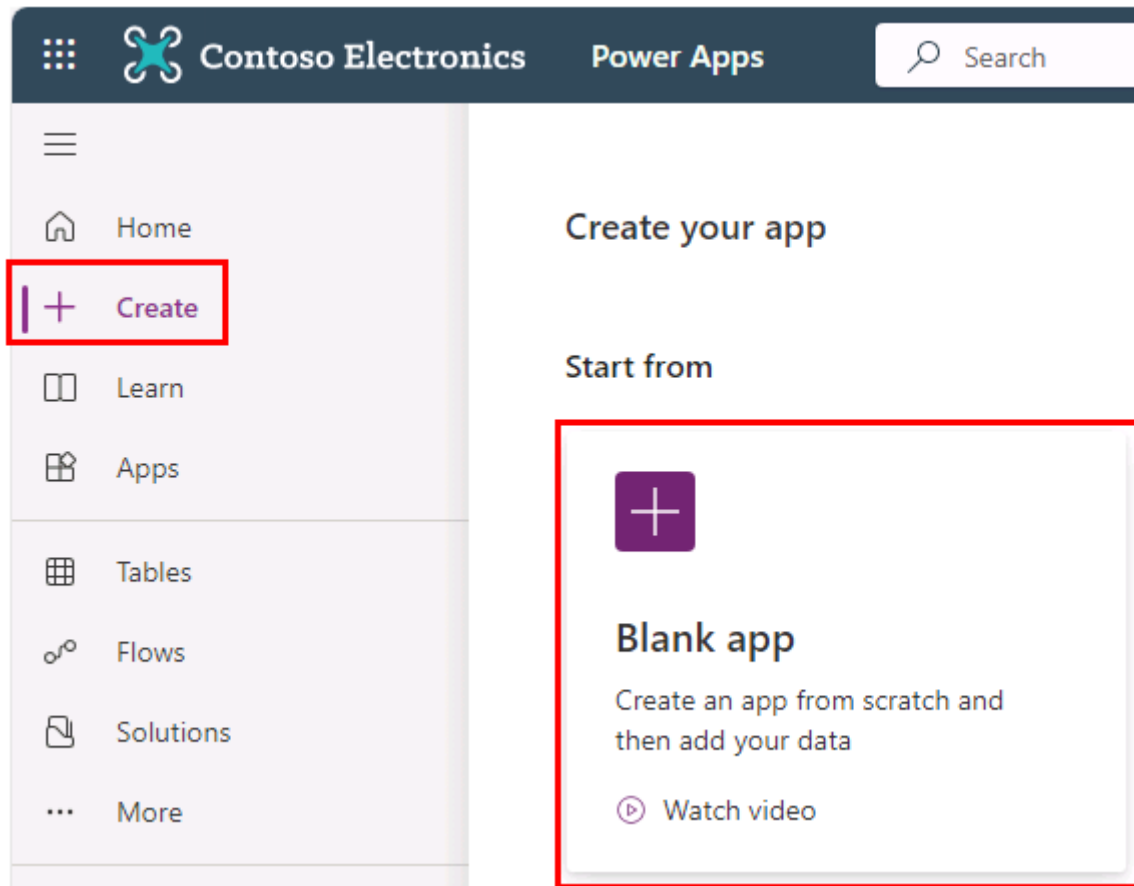
Exercise 1 - Deploy Resources Between Environments Using a Package

In this exercise, we will use export/import option to deploy Power App and Flow between environments

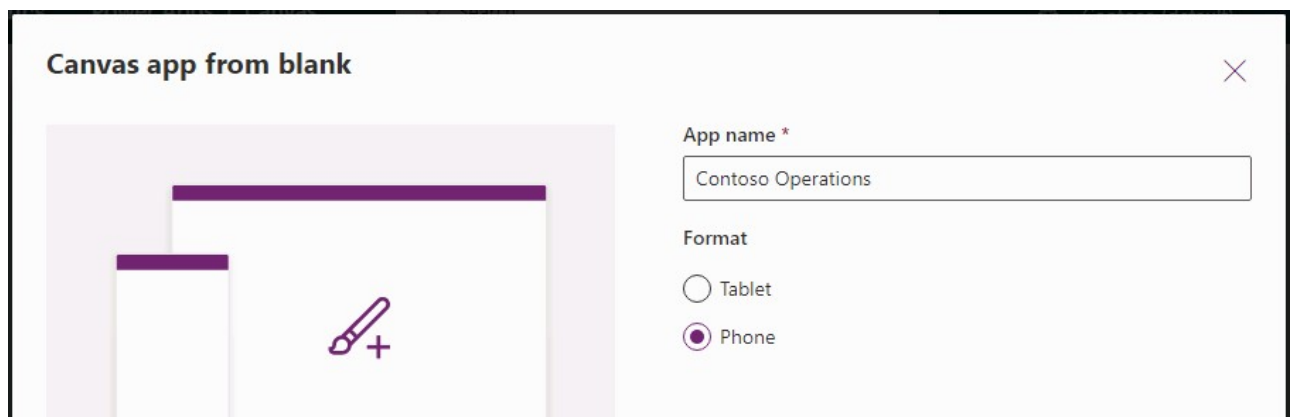
1. Navigate to **<https://make.powerapps.com>** and verify that you have **Contoso Development** environment selected



2. Select + **Create** from the left menu and click **Blank app**

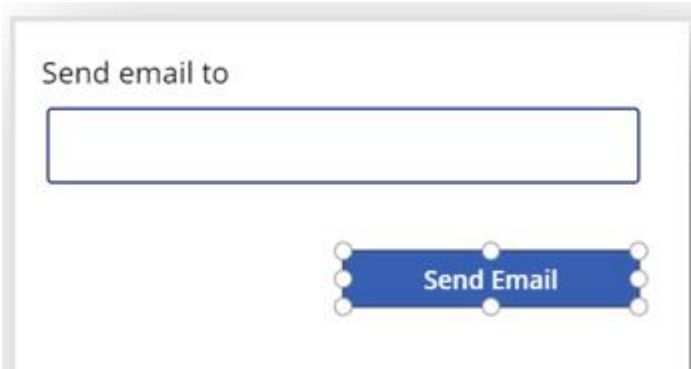
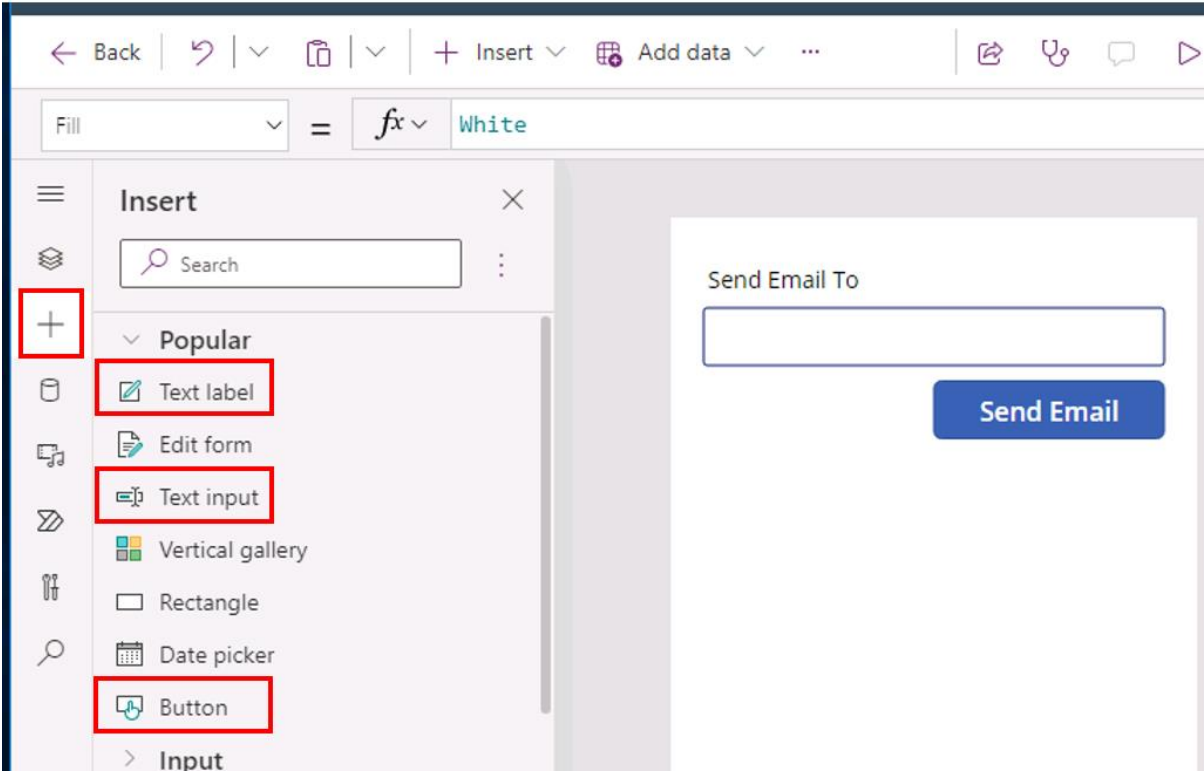


3. Select **Phone** format and name it **Contoso Operations** then click **Create**.

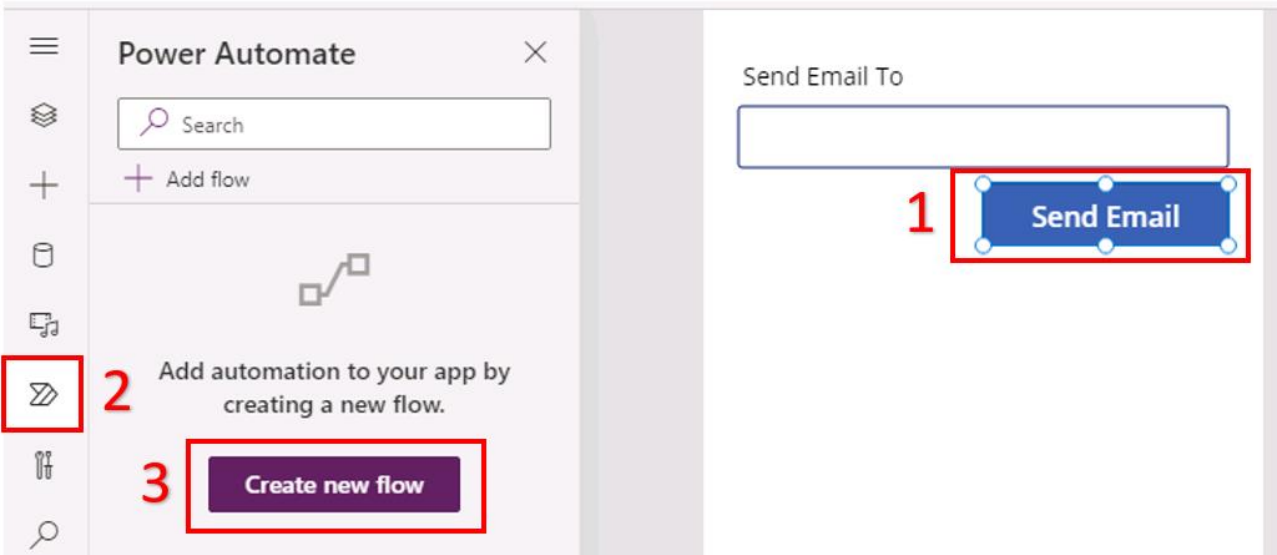


4. From the left or top menu select insert (+) and add the following controls to the app screen:

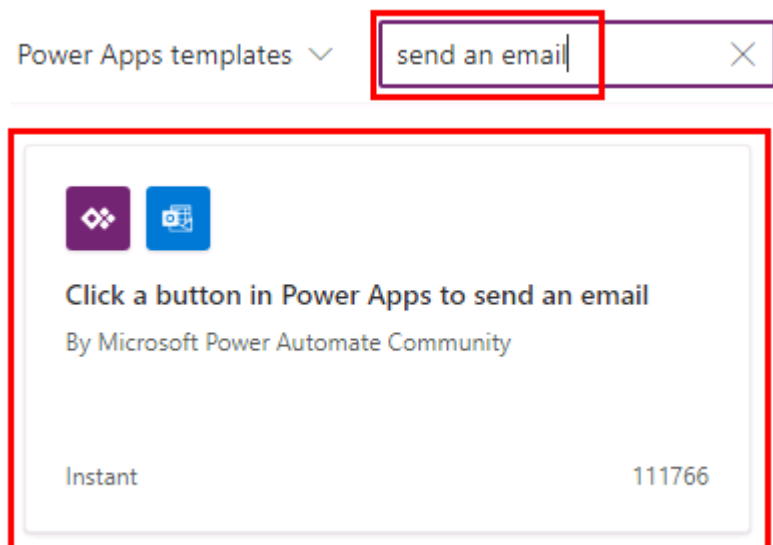
- Label: Text property = **Send Email To**
- Text box
- Button: Text property = **Send Email**



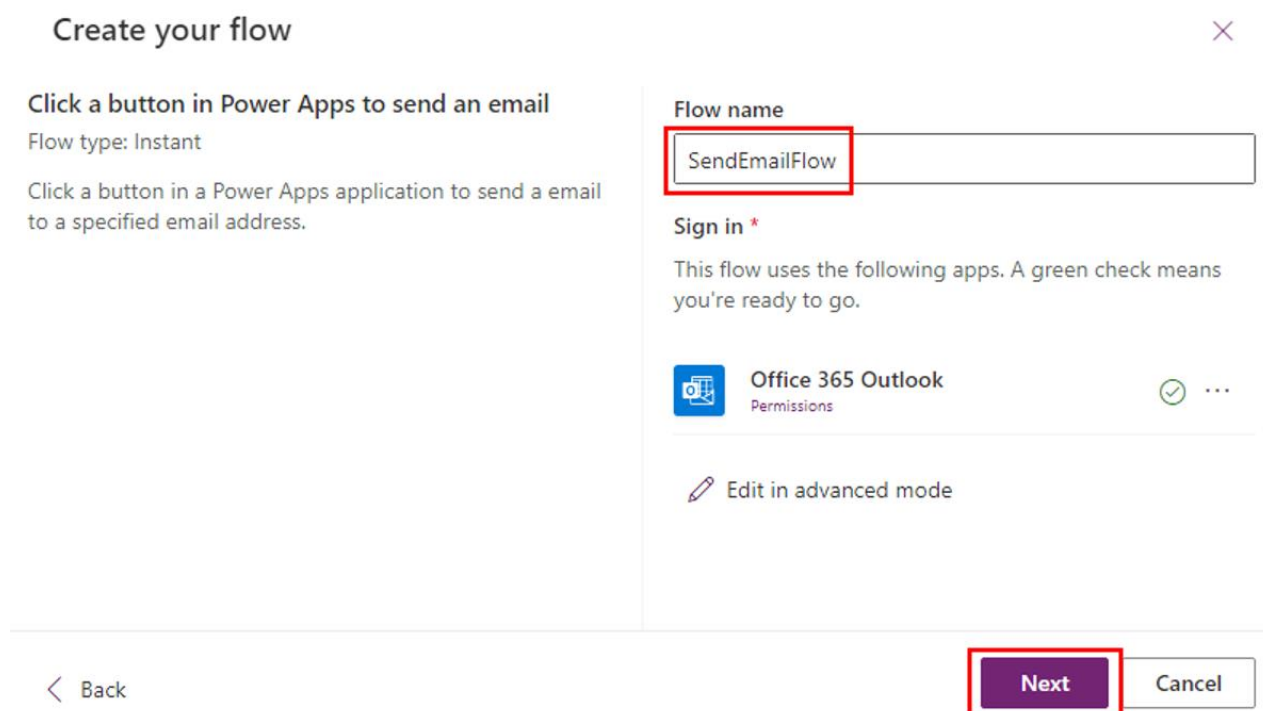
5. Select the button and from the left menu click **Power Automate** then click **Create new flow**



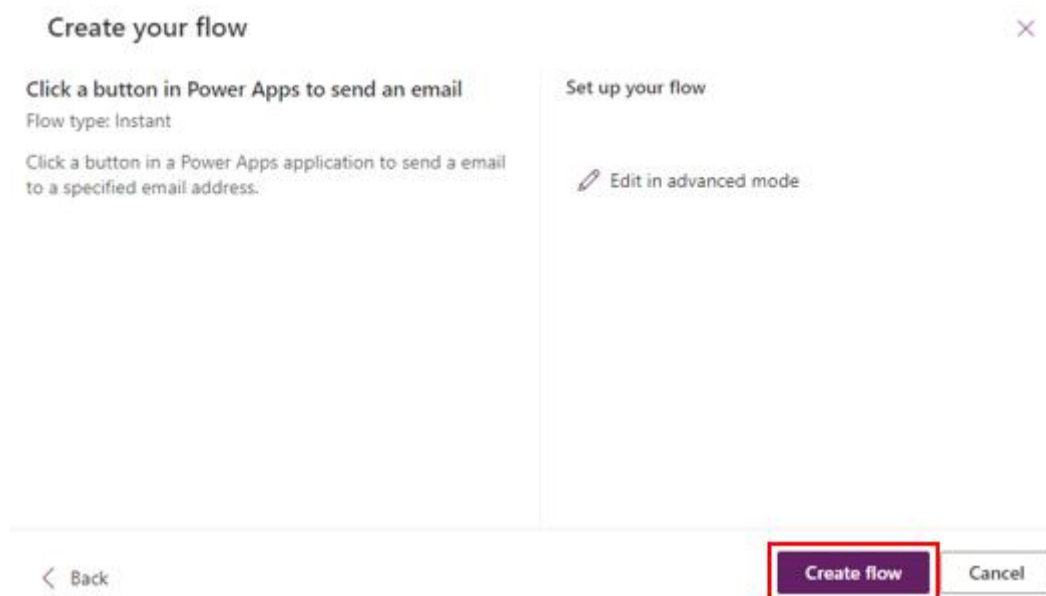
6. Search for "**send an email**" and select **Click a button in Power Apps to send an email** template



7. Name the flow **SendEmailFlow** and click **Next**

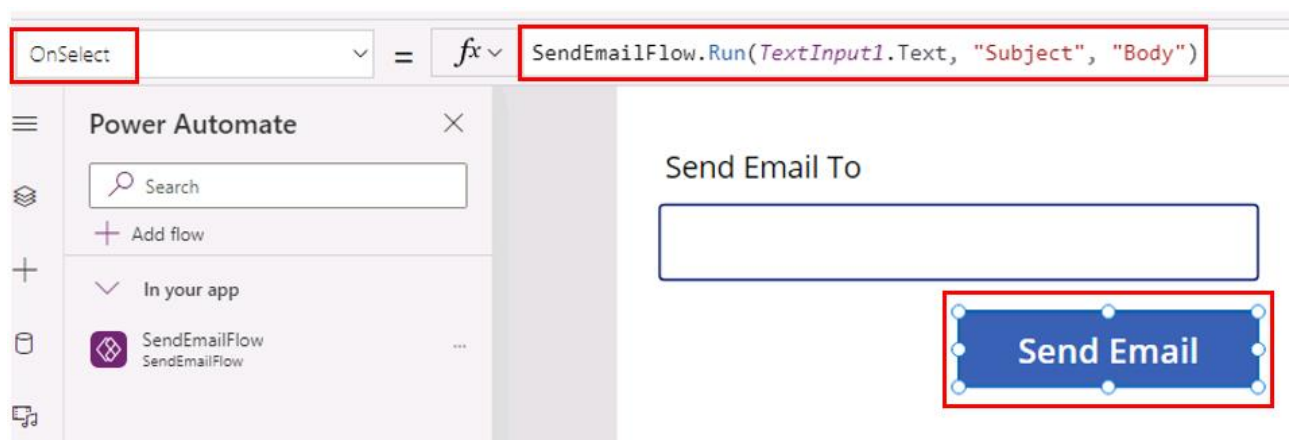


8. Click **Create flow**

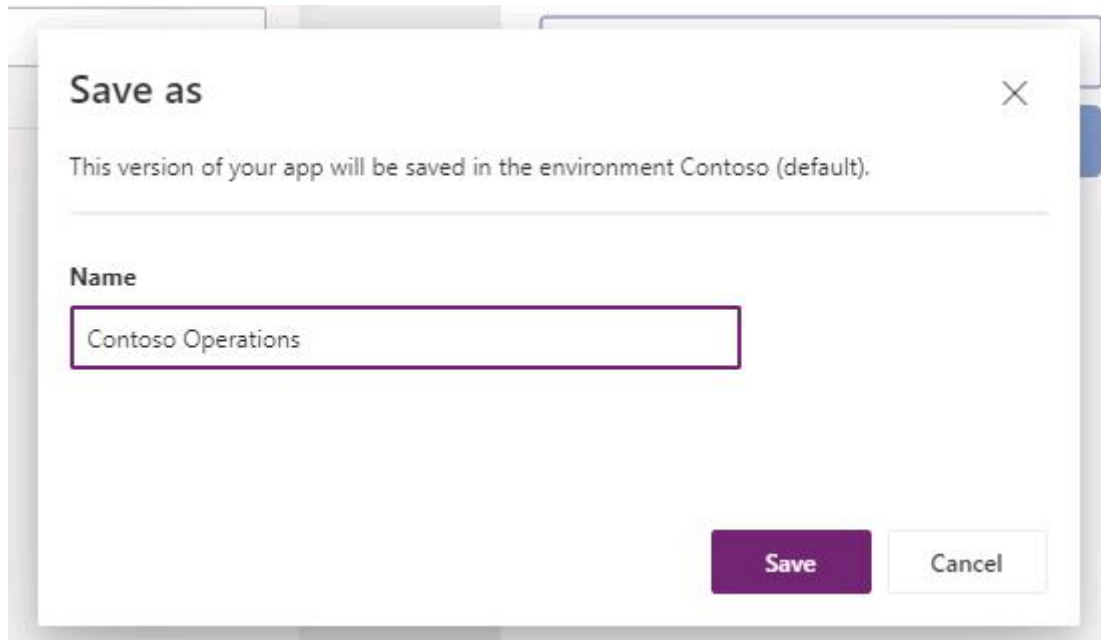


9. Select **Send Email** button and its OnSelect event and replace default false value with this **SendEmailFlow.Run(TextInput1.Text, "Subject", "Body")**

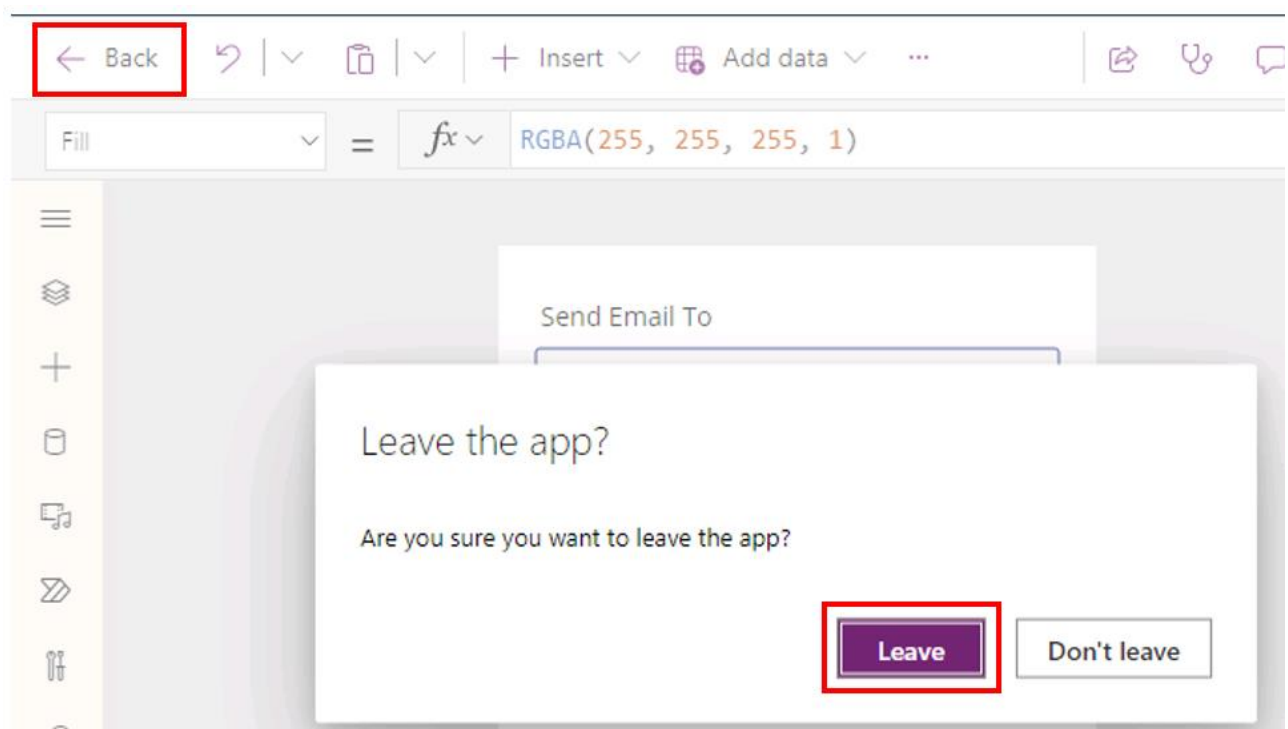
NOTE! your textinput control name could be different if you have changed the name or have added multiple textinput controls to the screen. If that is the case the make sure that you are refering to correct textinput control



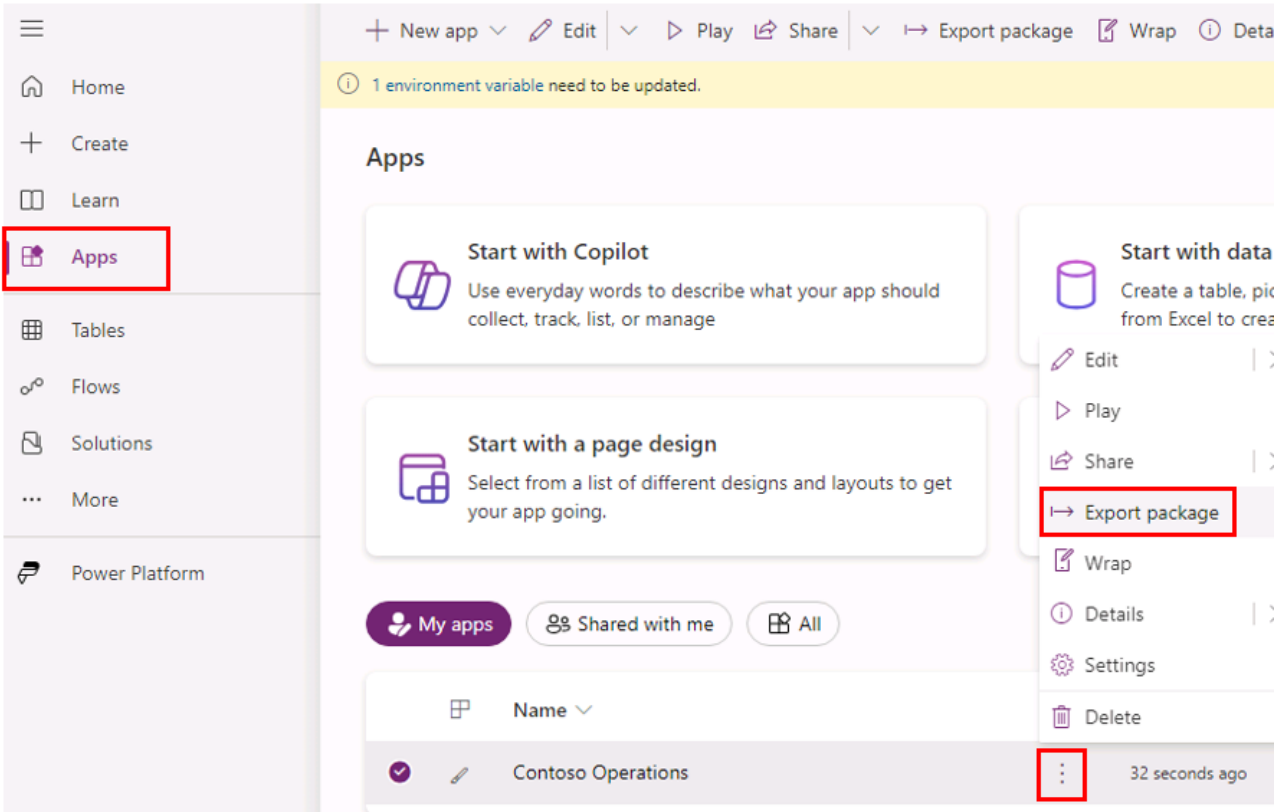
10. Press **Ctrl+S** or **Save** button on top right corner to save changes.



11. Once the app is saved, click the **Back** button, and click **Leave**.



12. Select Apps from the left menu, then click the three dots next to the app title and select **Export Package**



13. Export package with the associated flow by typing the package title **Contoso Operations** and description.

NOTE that this title does not conflict with the package app name as it remains the same.

Package details

Created by MOD Administrator on 02/17/2021

Name *

Contoso Operations

Environment

Contoso (default)

Description

14. In the Package Content section, change the Import Setup options based on which mode you must use.

Review Package Content

Choose your export options and add comments to provide instruction or add version notes.

NAME	RESOURCE TYPE	IMPORT SETUP
Contoso Operations	App	Update
Related resources		
NAME	RESOURCE TYPE	IMPORT SETUP
SendEmailFlow	Flow	Update
admin@M365x16792205.onmicrosoft.com	Office 365 Outlook Connection	Select during import

15. For the first package migration, import setup mode should be new, click on **Update** then change import setup to **Create as new**. NOTE, this can be also changed during the import phase

Choose what will happen when each resource is imported to the new environment.

☒ **Create as new**
This app or flow will be new to the environment when the package is imported.

☐ **Update (default)**
The app or flow already exists in the environment and will be updated when this package is imported.

IMPORT SETUP

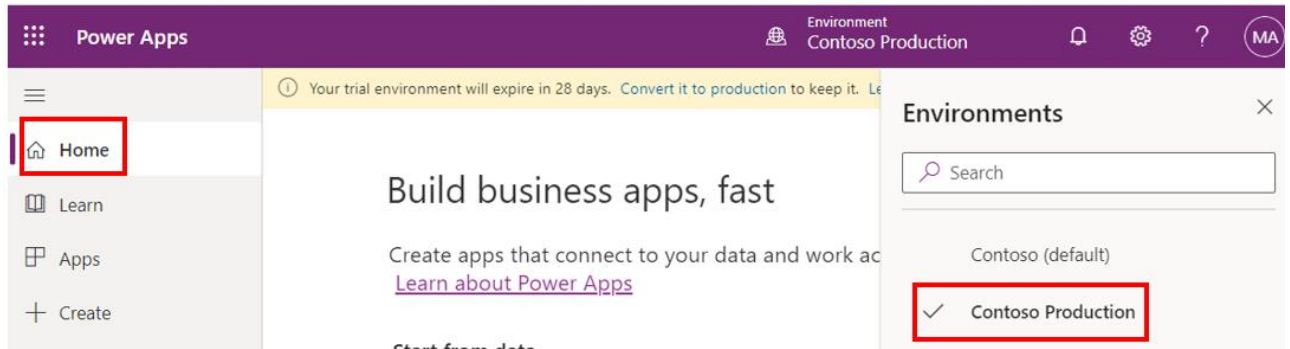
Update

1

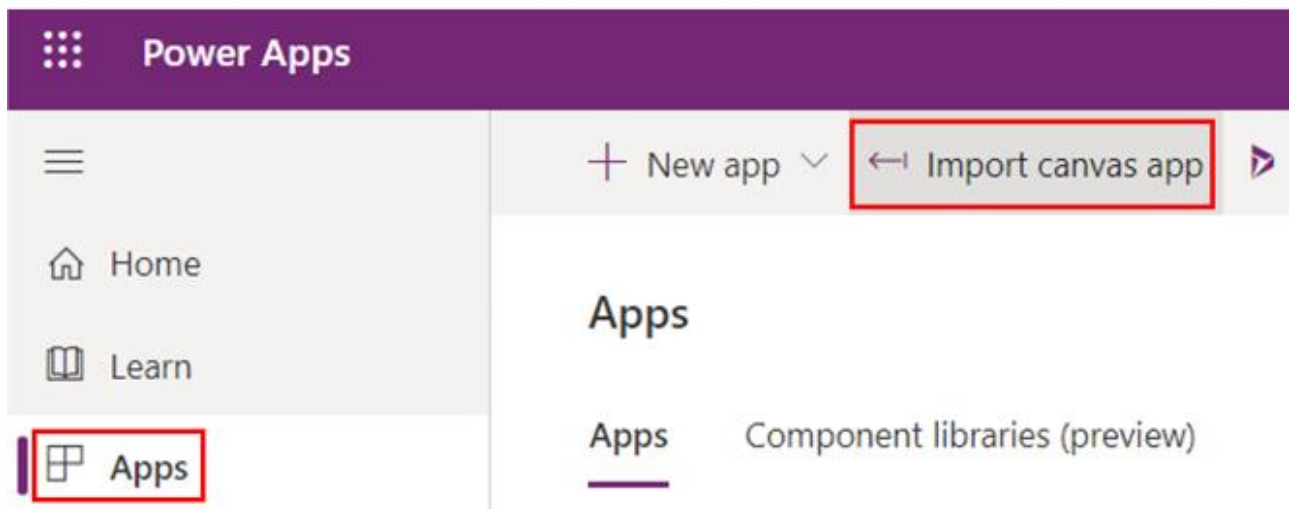
16. Repeat the same for **SendEmailFlow** then click ok.

17. Click **Export** to save the package to the local hard drive (this operation is considered a local backup copy of your app package as well).

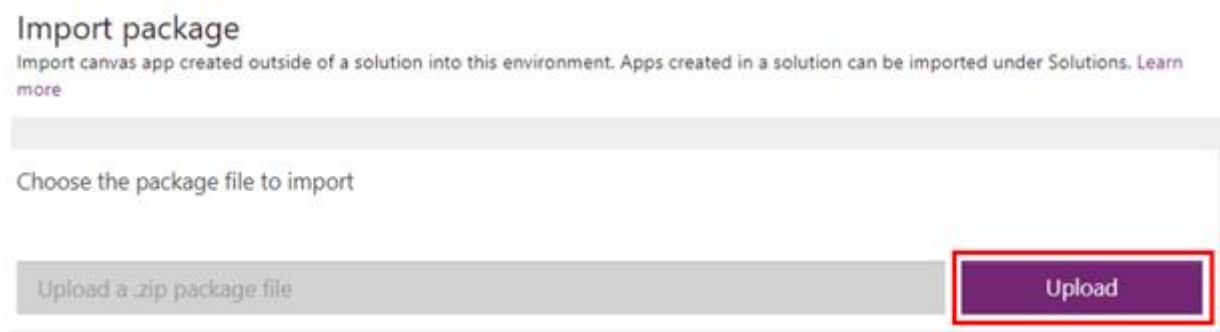
18. In the Power Apps studio, select the Home tab then switch environments to **Contoso Production**.



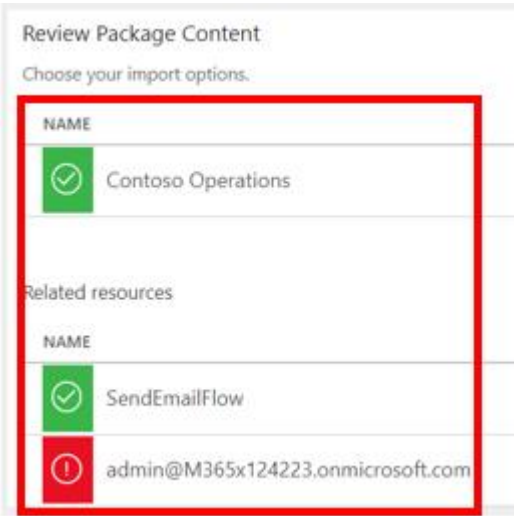
19. Select the **Apps** menu, then select the **Import canvas app** option.



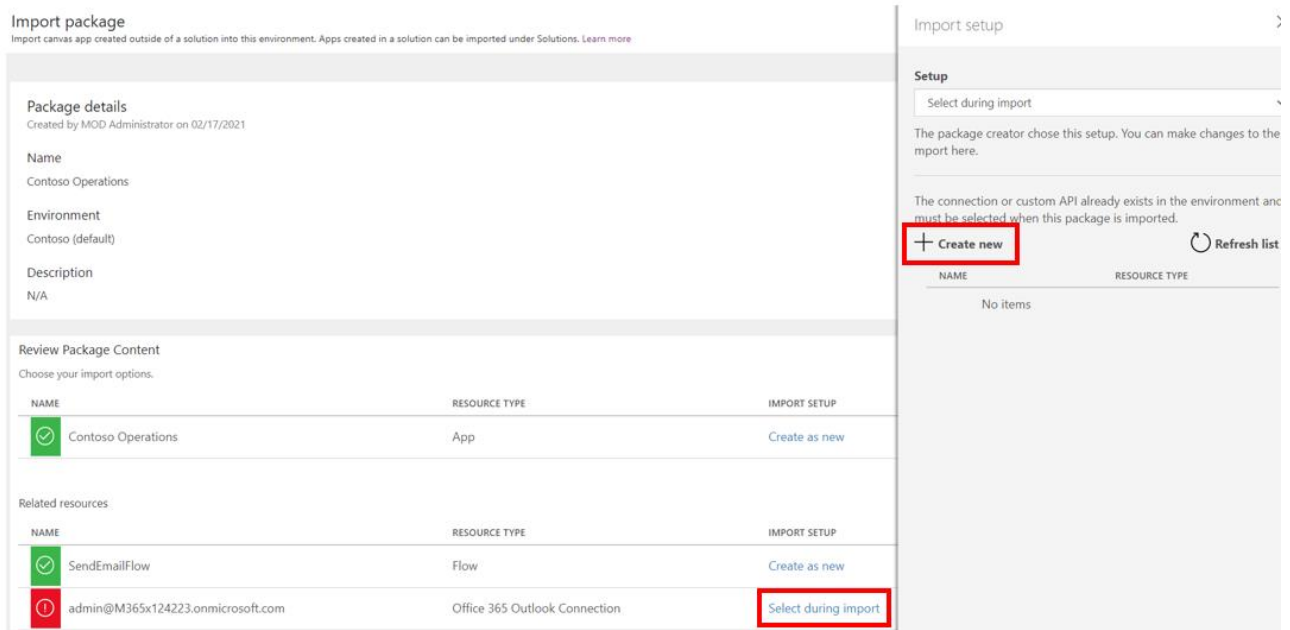
20. Select **Upload**, then locate the exported package to start the import process.



21. Once the package upload completes successfully, the app and flow resources import status is marked as green which means that these can be created as new resources to the target environment. The outlook connector used in the associated flow shows a red error mark because this connector doesn't exist in the targeted environment and need to be created before you can import the app



22. Next, choose the **Select during import** option and **Create new** to create new connection for the Office 365 Outlook connector




23. In the connection window, click + **New connection**

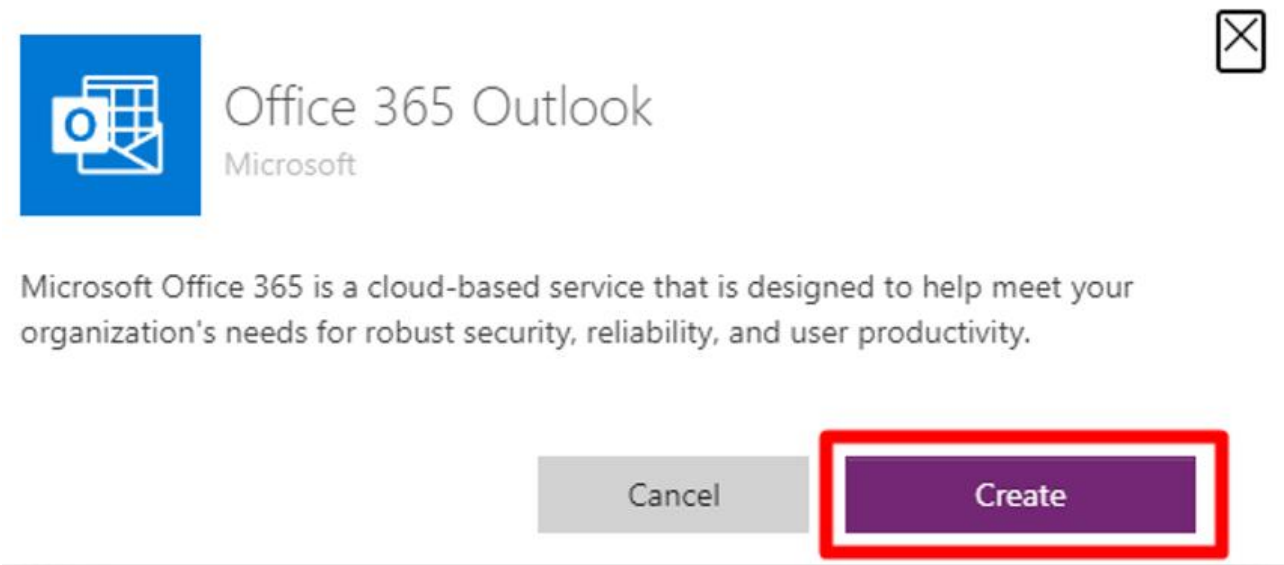


24. Add **Office 365 Outlook** connection

Connections > New connection


Name	Type
 Office 365 Outlook Microsoft	Standard

25. Click **Create**.




26. Then choose **MOD Administrator** account for the connection

Pick an account



MOD Administrator
admin@M365x124223.onmicrosoft.com
Signed in




admin@M365x124223.onmicros...
Office 365 Outlook


...

57 sec ago

Connected

27. Navigate back to the import package screen to **Refresh list** and select added connector and **Save**.

 **Create new**

 **Refresh list**

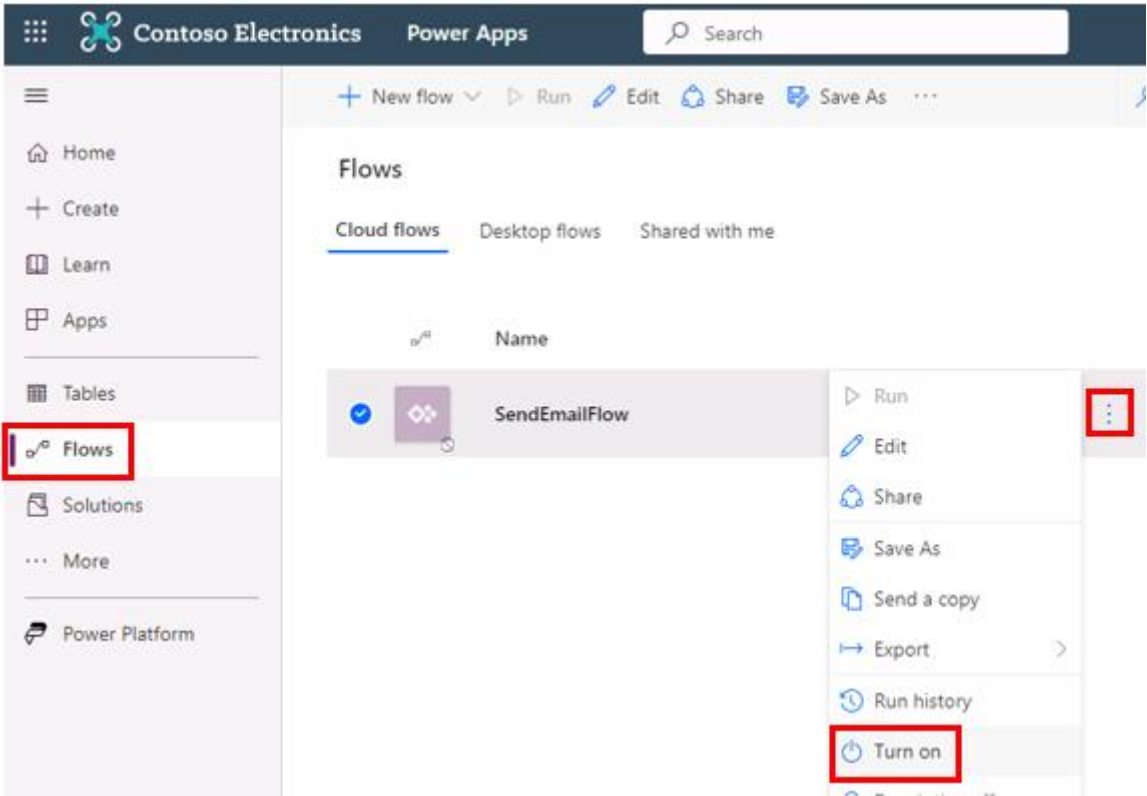
NAME	RESOURCE TYPE	
admin@M365x124223.onm icrosoft.com	2 min ago	✓

Save

Cancel

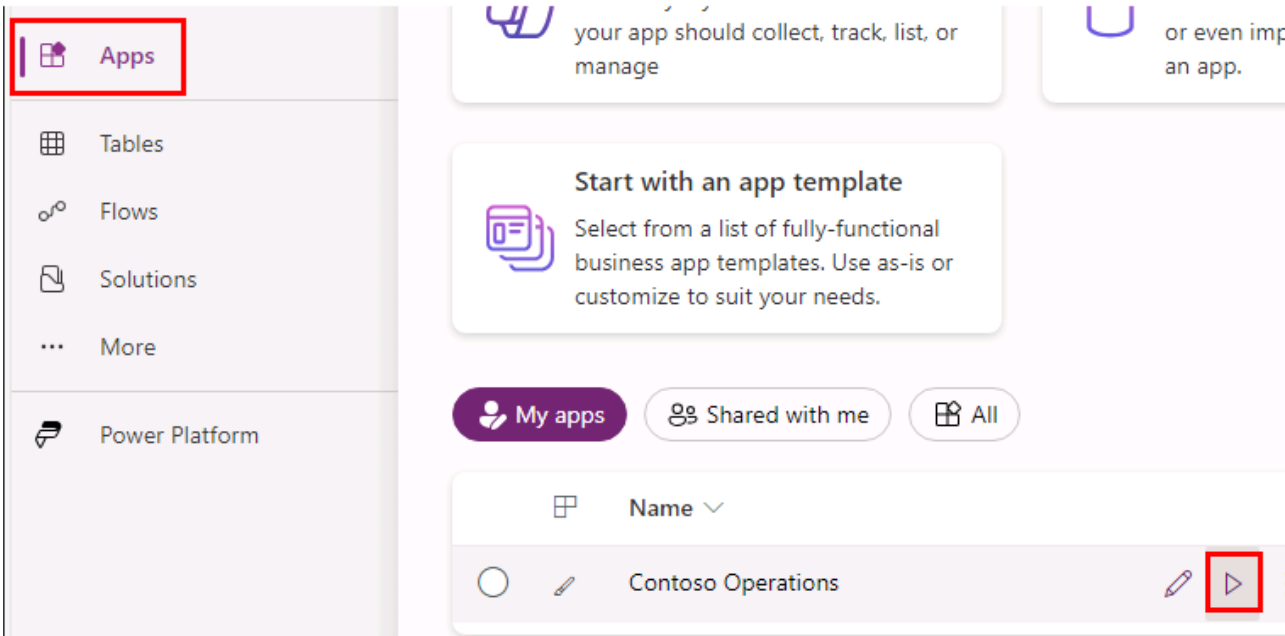
28. Select **Import**.

29. Once the import process is completed then select **Flows** from the left menu and enable the flow by clicking **three dots** > **Turn on**



30. Select **Apps** from the left menu and click **Contoso Operations** app to start it

NOTE! If the app is not visible then refresh the page as it might be take little while for app to be visible

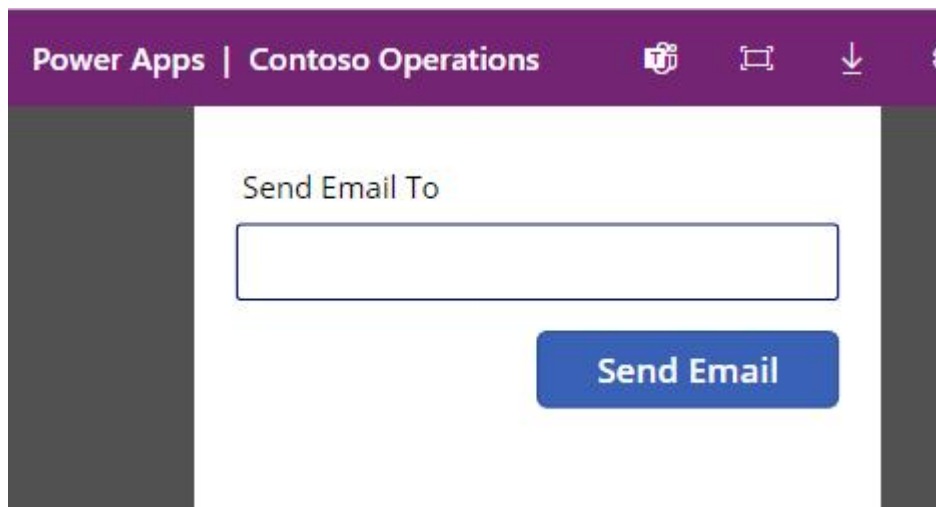


31. Allow consent for the connections



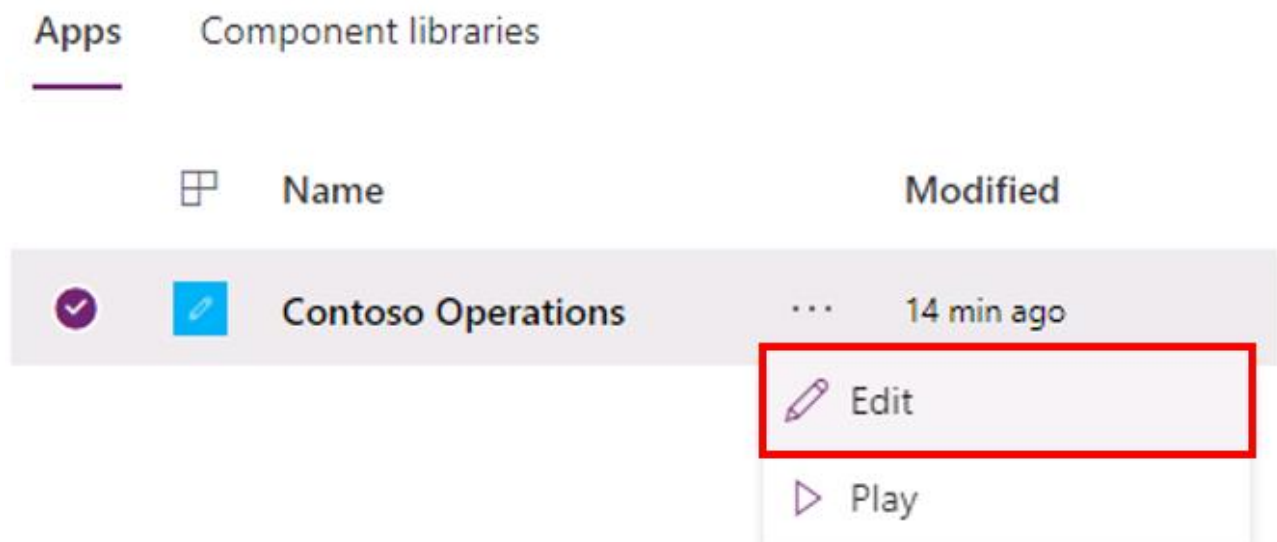
32. Test the app by sending an email to MOD admin

MOD Administrator Username

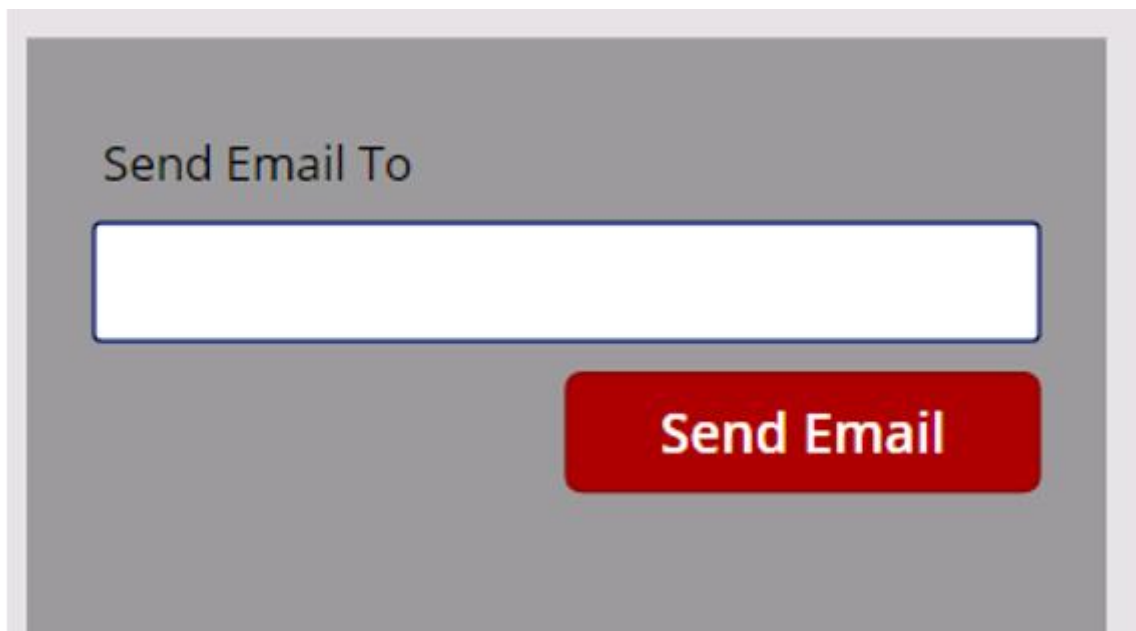


33. Navigate back to browser tab you have the Power App opened in designer in **Contoso Development** environment.

If you closed the tab then open **<https://make.powerapps.com>** to new tab, select **Contoso Development** environment and open **Contoso Operations** app in edit mode.

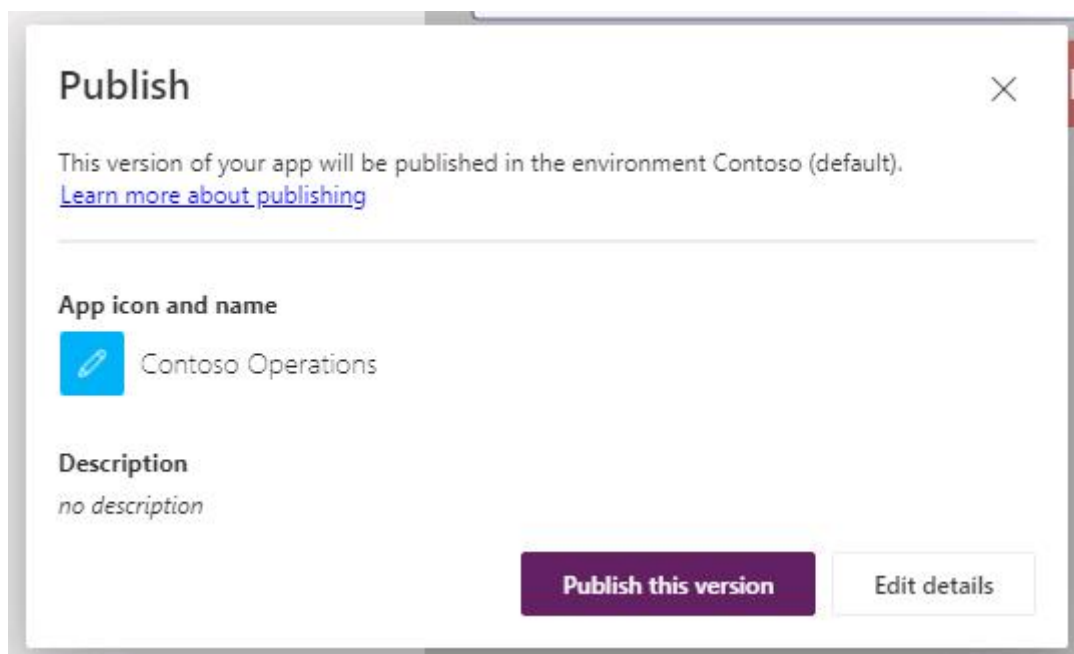
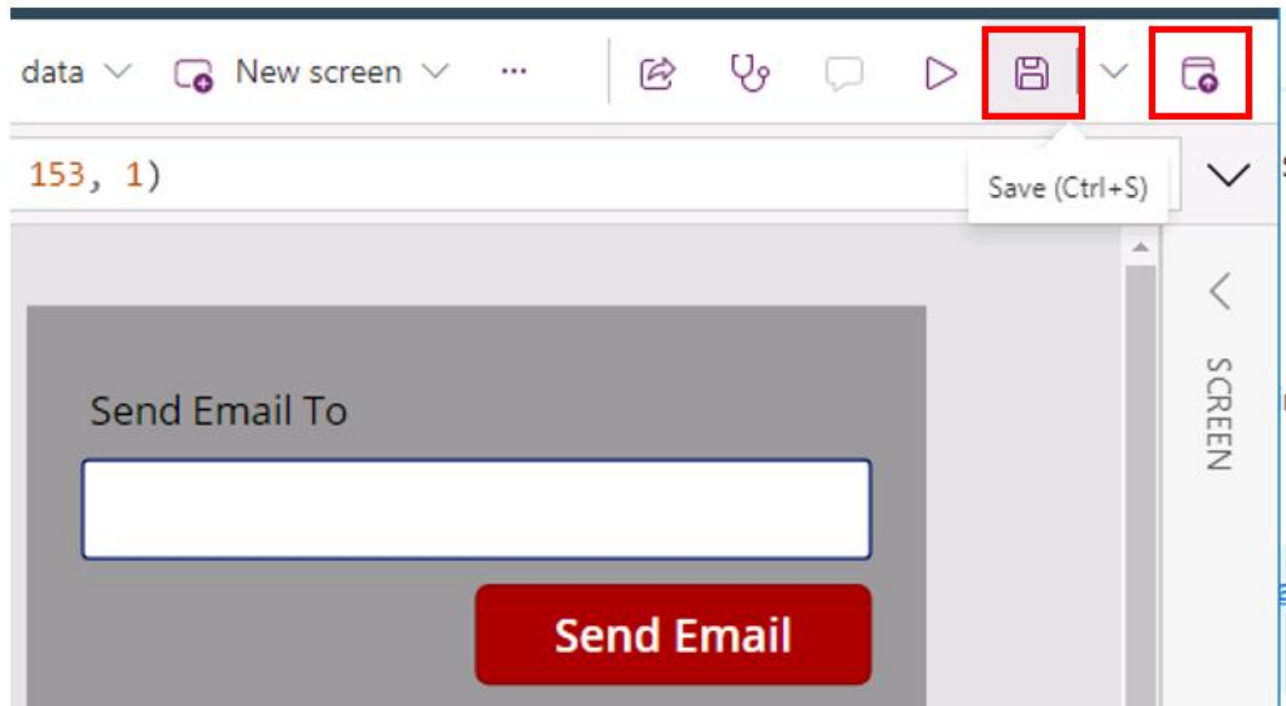


34. Change color, text and position for some controls as shown in the screenshot.



35. **Save** and **Publish** the app after making the required changes.

NOTE: If the app is not published, the exported package will only include the Live latest published version of the app.



36. Repeat the same **Export** process mentioned previously. You can keep the **same package name Contoso Operations** as before since PowerApps will add a date/time signature to the package title anyway to avoid naming conflicts.

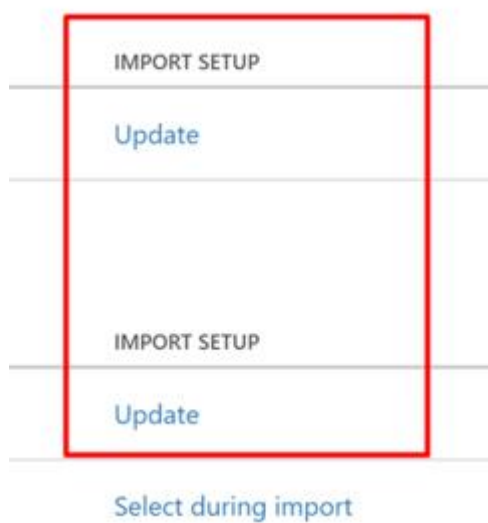
Package details

Created by MOD Administrator on 02/17/2021

Name *

Contoso Operations

37. Keep the import setup options as **Update**, then select **Export**.



38. Once the package has exported, switch to **Contoso Production** to import it again and update the existing version.

39. In package import step to Contoso Production environment, select **Update** action for App resource type (App Name).

Review Package Content

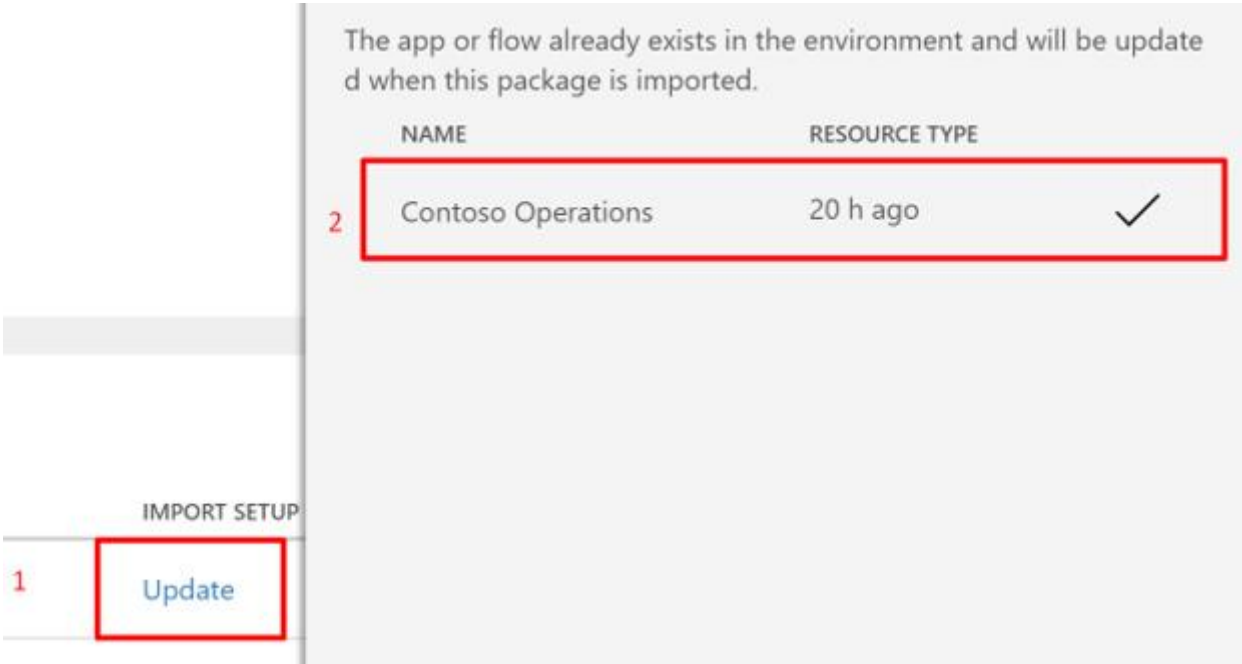
Choose your import options.

NAME	RESOURCE TYPE	IMPORT SETUP
 Contoso Operations	App	Update

Related resources

NAME	RESOURCE TYPE	IMPORT SETUP
 SendEmailFlow	Flow	Update
 admin@M365x124223.onmicrosoft.com	Office 365 Outlook Connection	Select during import admin@M365x124223.onmicro soft.com

40. When clicking Update, Power Apps will recognize that a resource with the same name already exists. Select the resource name to overwrite it.



41. Do same for the flow and Office 365 Outlook connection

RESOURCE TYPE

IMPORT S

App

Update

Contoso

RESOURCE TYPE

IMPORT S

Flow

Update

SendEm

Office 365 Outlook Connection

Select d

+ Create new

NAME

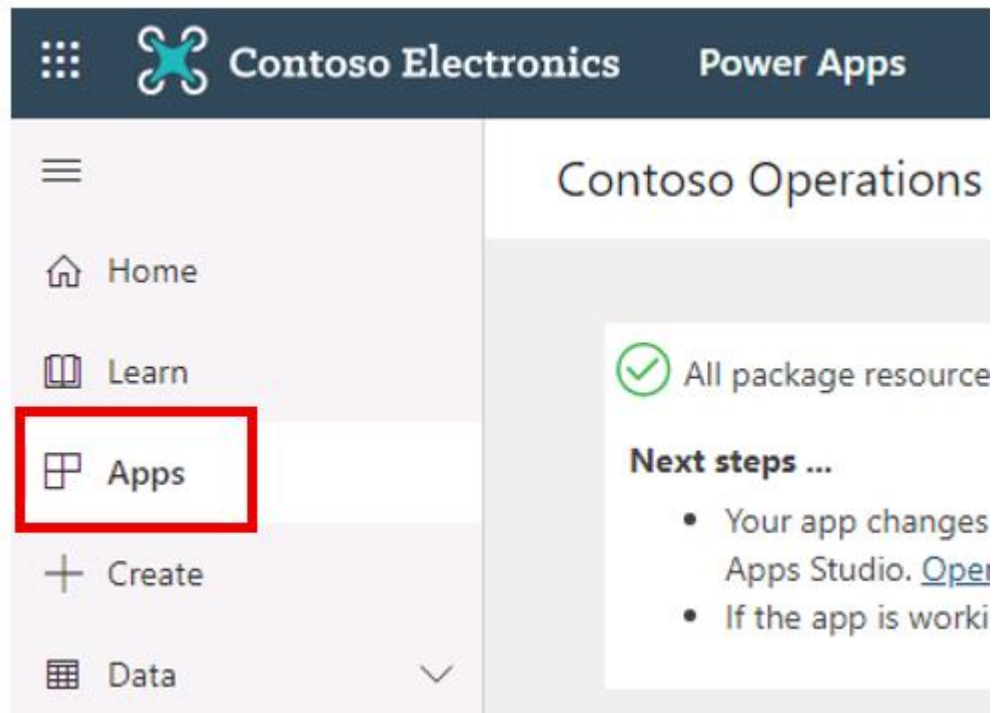
admin@M365x27090848.o
nmicrosoft.com

Review Package Content

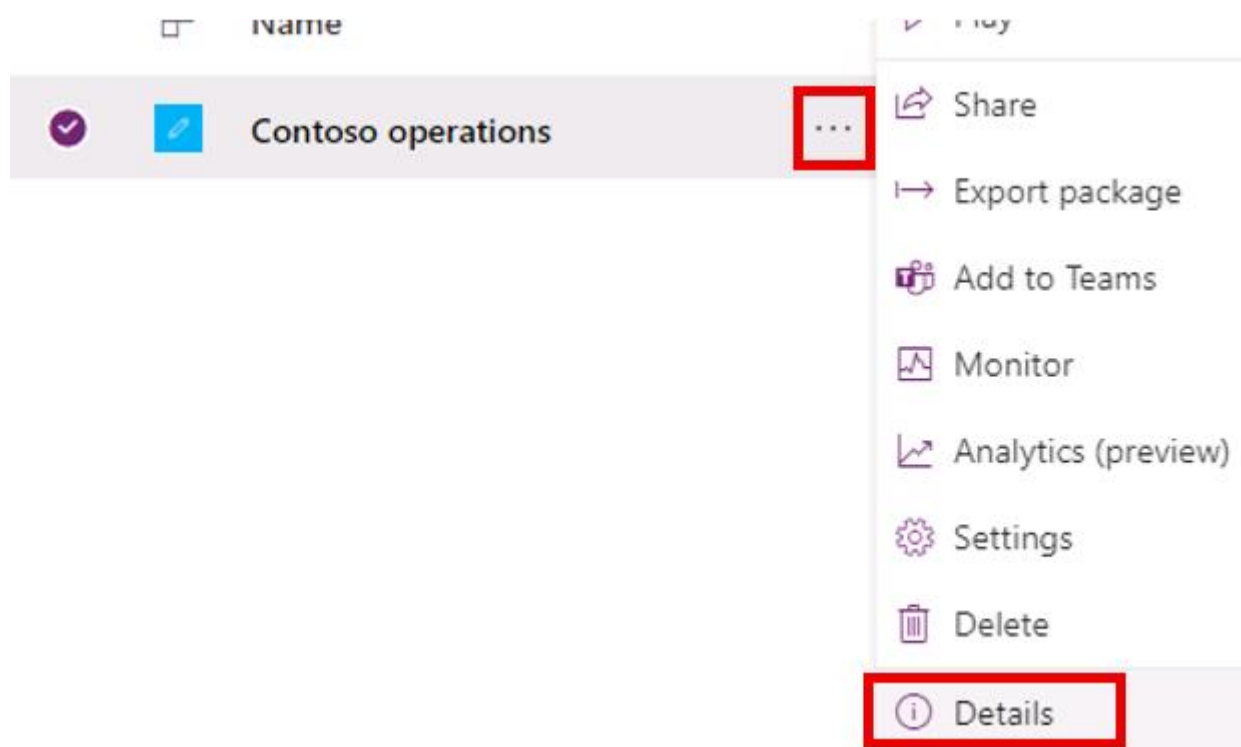
Choose your import options.

19 / 66

43. Once import has completed, click **Apps** in the left menu



44. Click three dots of **Contoso Operations** app and select **Details**



45. Select **Versions** and **Publish** the latest version.

Note! you might need to refresh the page to see the version just installed

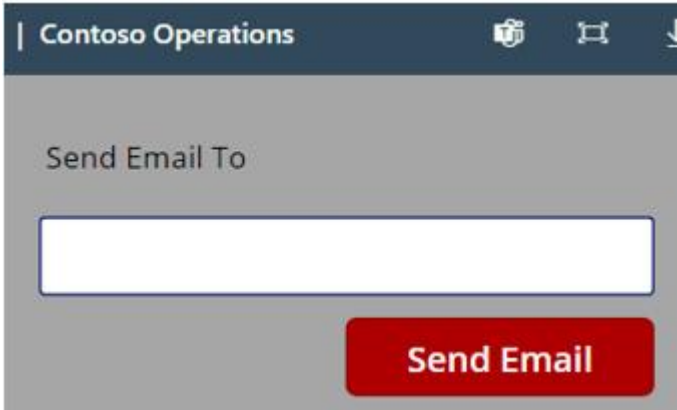
Apps > Contoso Operations

Details **Versions** Connections Flows Analytics (preview)

ⓘ It's only possible to restore app versions that were created in the last six months

Version		Modified	
✓	Version 3	...	2/17/2021, 3:51:35 PM
	Version 2	Publish this version	

46. Open the app to review the published changes. If you see notification about that you are using old version, then click Refresh

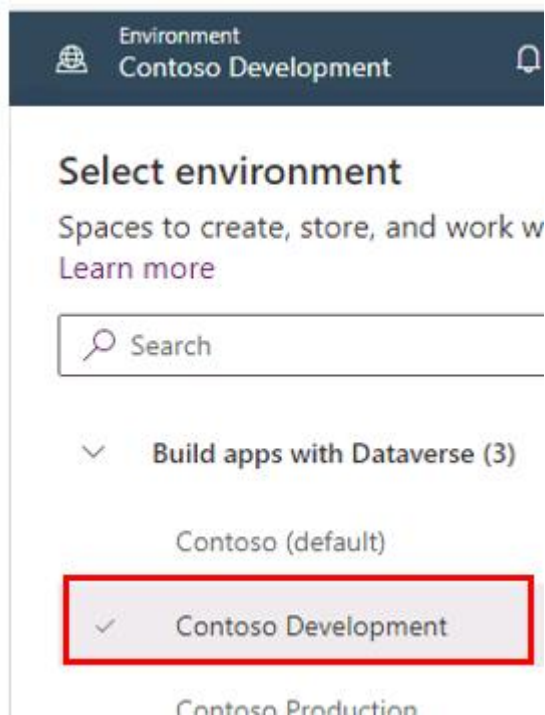


[!KNOWLEDGE] For more information about deploying resources across environments with packaging, review the Microsoft blog [here](#).

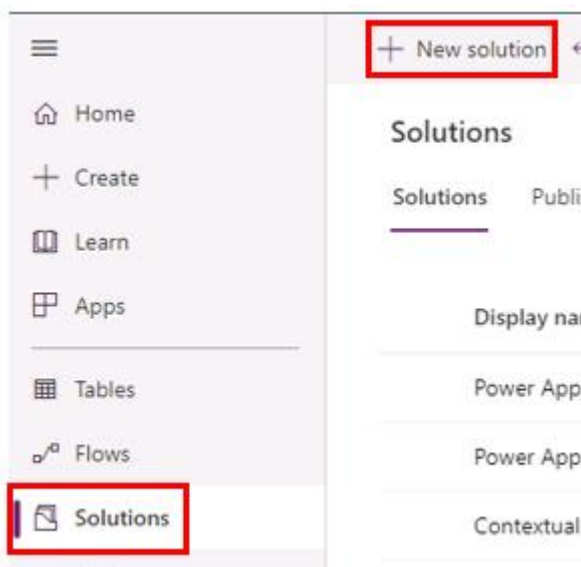
Exercise 2 - Deploy Resources Between Environments Using a Solution

In this exercise, we will use Power Platform Solution to deploy resources between environments

1. Navigate to the Power Apps studio <https://make.powerapps.com> and select **Contoso Development** environment.



2. From left navigation panel select **Solutions**, then click on **New Solution**.




3. In the new solution screen, type the solution name: **Contoso Operation Project**.
4. To add a new custom publisher information, click + **New publisher**

New solution ✕

Display name *

Name *

Publisher *

▼ 

+ New publisher

Version *

More options ▼

5. A new screen will pop up to fill in the new publisher information below, then click **Save**
 - Display name: **Contoso Dev**
 - Name: **ContosoDev**
 - Prefix: **condev**

New publisher

Properties Contact

Display name *

Contoso Dev

Name *

ContosoDev

Description

Prefix *

condev

Choice value prefix *

10000

Preview of new object name

condev_Object

Save

Cancel

6. Select created publisher then click **Create**. Note that new solution is **Unmanaged** by default.

New solution ✕

Display name *

Name *

Publisher *

✎

+ New publisher

Version *

More options ^

Installed on

Mon Aug 23 2021

📅

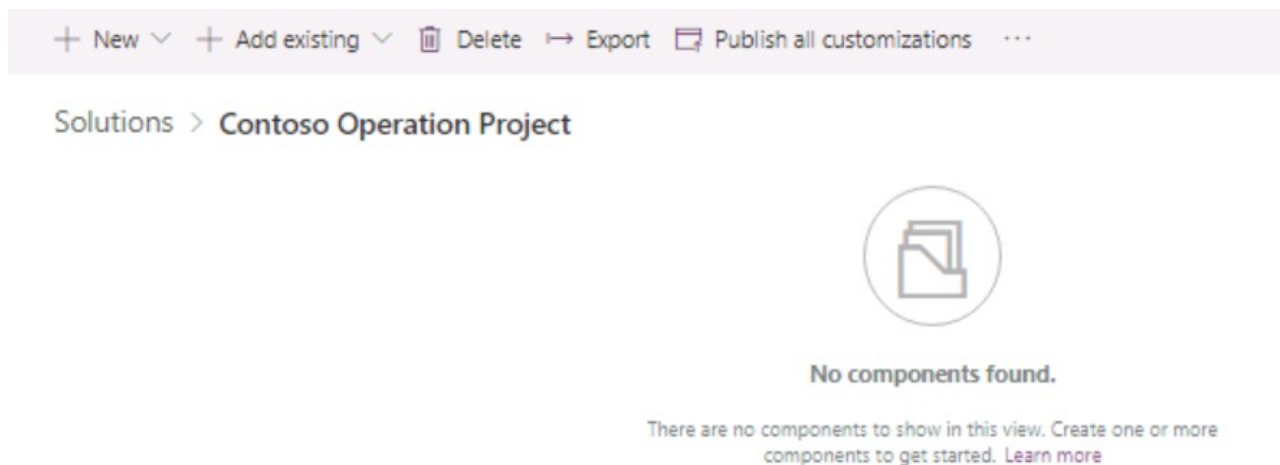
Configuration page

Description

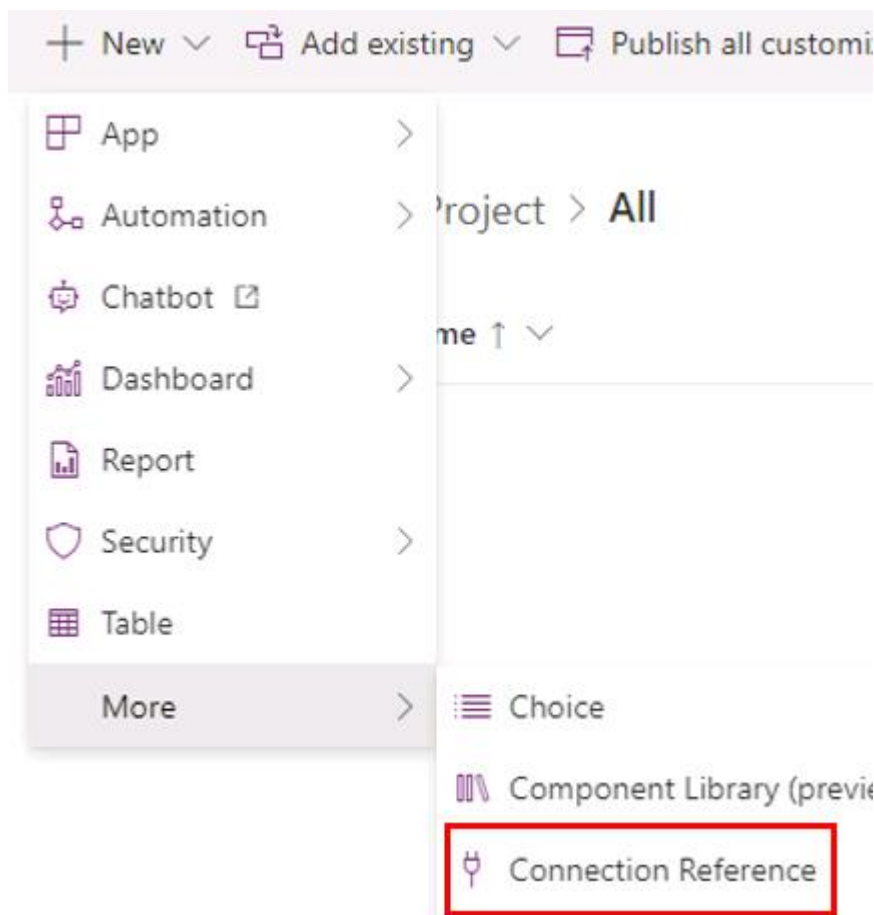
Package type ⓘ

Unmanaged

7. The solution displayed is blank with no components found. Now you can start creating new or add from existing solutions or outside solutions.



8. Choose + **New** > **More** > **Connection Reference**



9. Set **Display name** as below, **Connector** is **Office 365 Outlook** (can be typed or selected) and there should be already existing Office 365 Outlook connection in this environment which is selected automatically and can be used here as well

New Connection Reference ✕

Learn about connections and connection references

Display name *

Outlook

Name * ⓘ

condev_ Outlook

Add a description

Connector *

Office 365 Outlook

Connection * ⓘ

Refresh

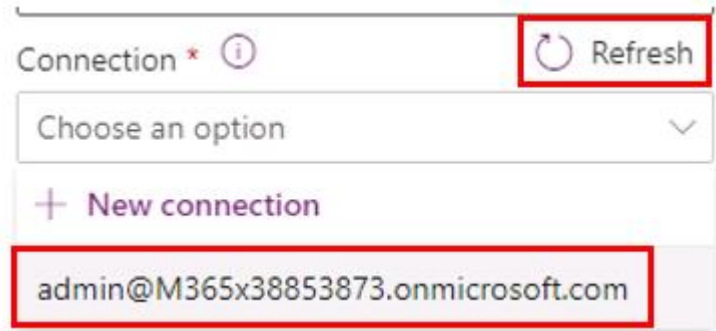
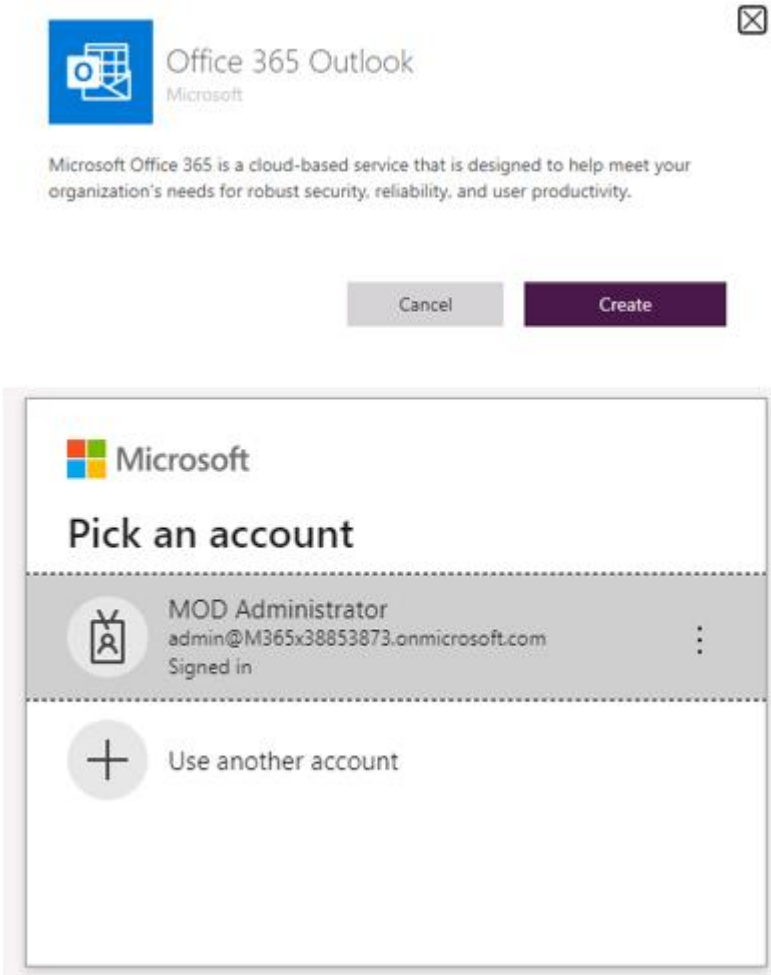
admin@M365x58857801.onmicrosoft.com

NOTE: If connection does not exist then create new by selecting + **New connection**

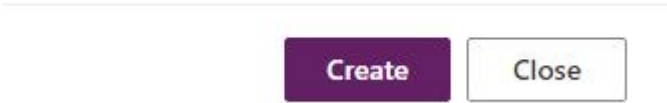
Connection * ⓘ

admin@M365x58857801.c

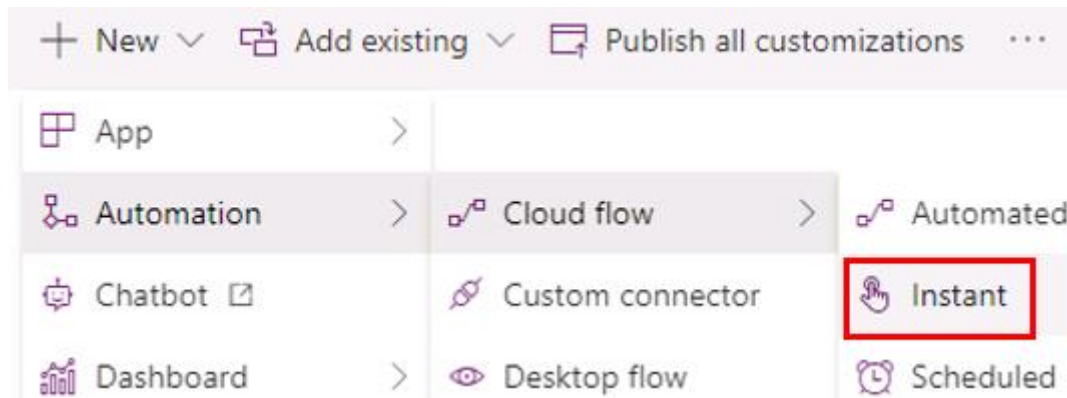
+ [New connection](#)



10. Click Create to create connection reference for the solution

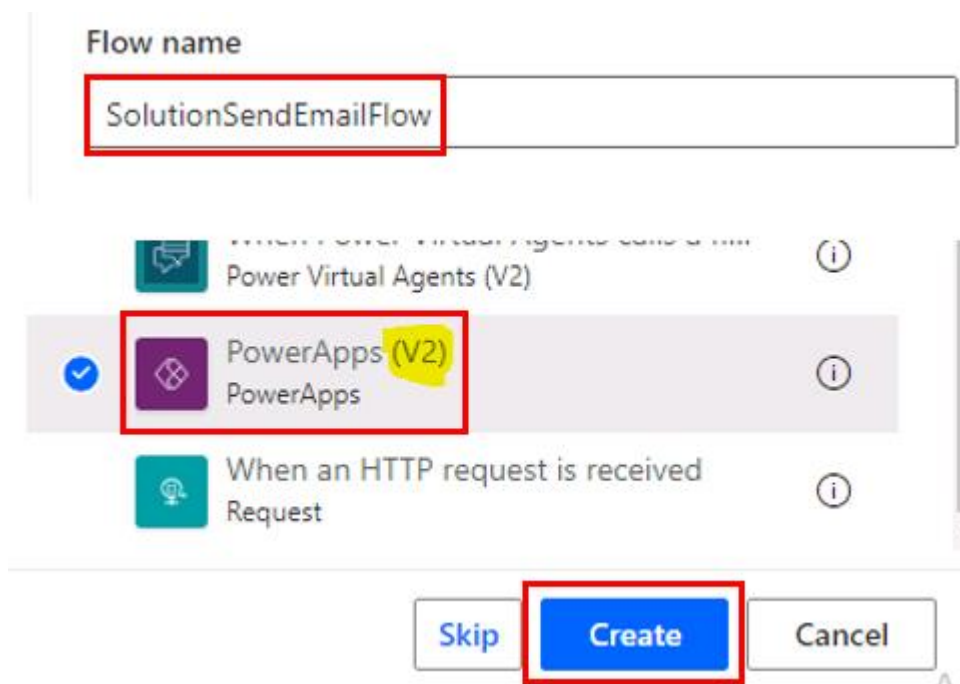


11. Next select + **New > Automation > Cloud flow > Instant**



12. Name the flow as **SolutionSendEmailFlow**, select **PowerApps (V2)** trigger and click **Create**

NOTE! There are 2 PowerApps trigger and make sure you select the **V2** version



13. In the PowerApps (V2) trigger add 3 text input parameters like below by clicking + **Add an input**

PowerApps (V2)

To Please enter your input

Subject Please enter your input

Body Please enter your input

Choose the type of user input

Text Yes/No File Email

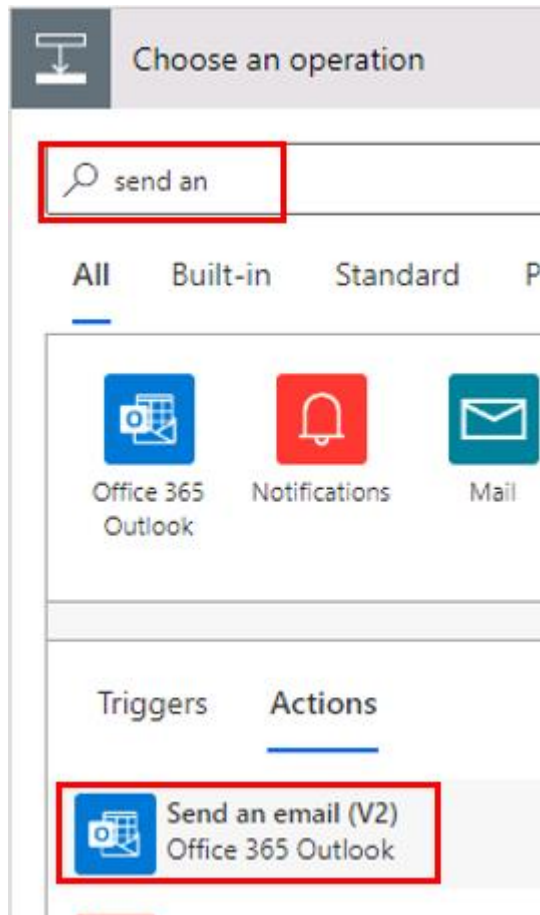
The image shows a PowerApps (V2) form interface. It has a purple header bar with the PowerApps logo and the text 'PowerApps (V2)'. Below the header, there are three input fields, each with a purple circle containing 'AA' to its left. The first field is labeled 'To', the second 'Subject', and the third 'Body'. Each field has a red rectangular border and a placeholder text 'Please enter your input' to its right. Below these fields, there is a section titled 'Choose the type of user input'. This section contains four circular icons with labels below them: a purple circle with 'AA' labeled 'Text', a blue circle with a checkmark and an 'x' labeled 'Yes/No', a teal circle with a document icon labeled 'File', and a green circle with an envelope icon labeled 'Email'. The 'Text' option is highlighted with a red rectangular border.

14. Click New step and search "send an email" (Office 365 Outlook) action and select it

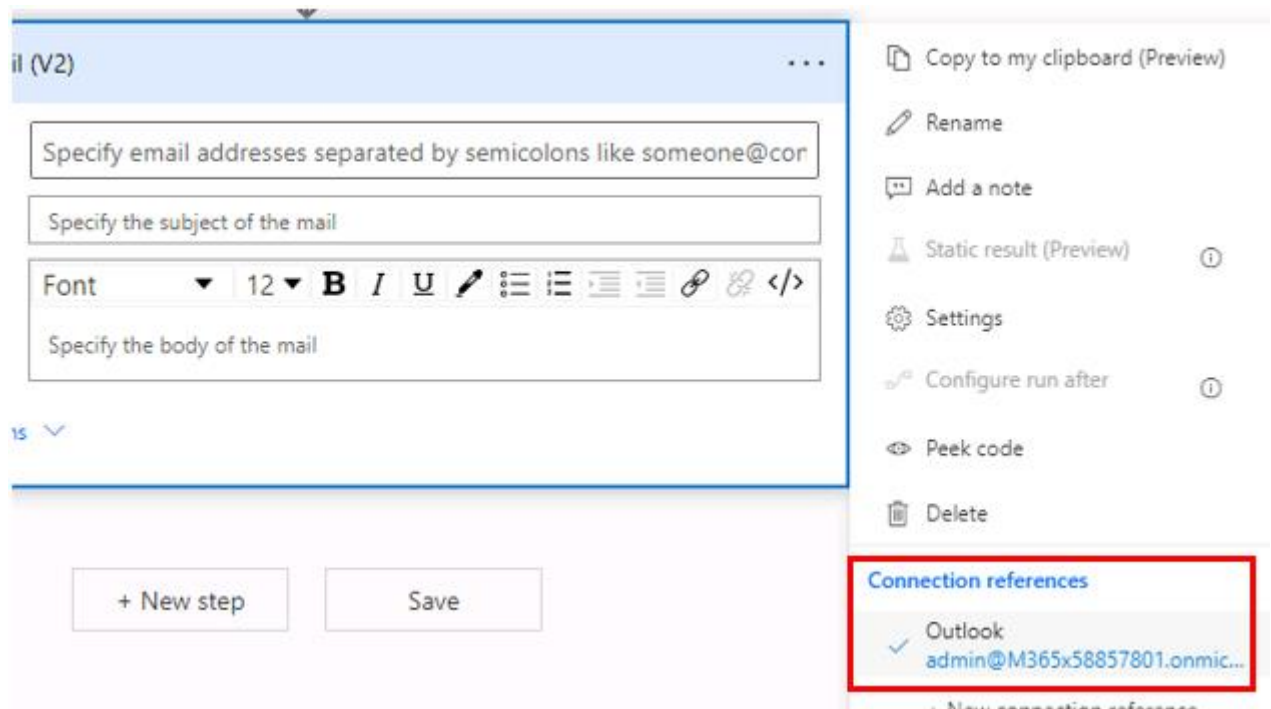
PowerApps (V2)

+ New step

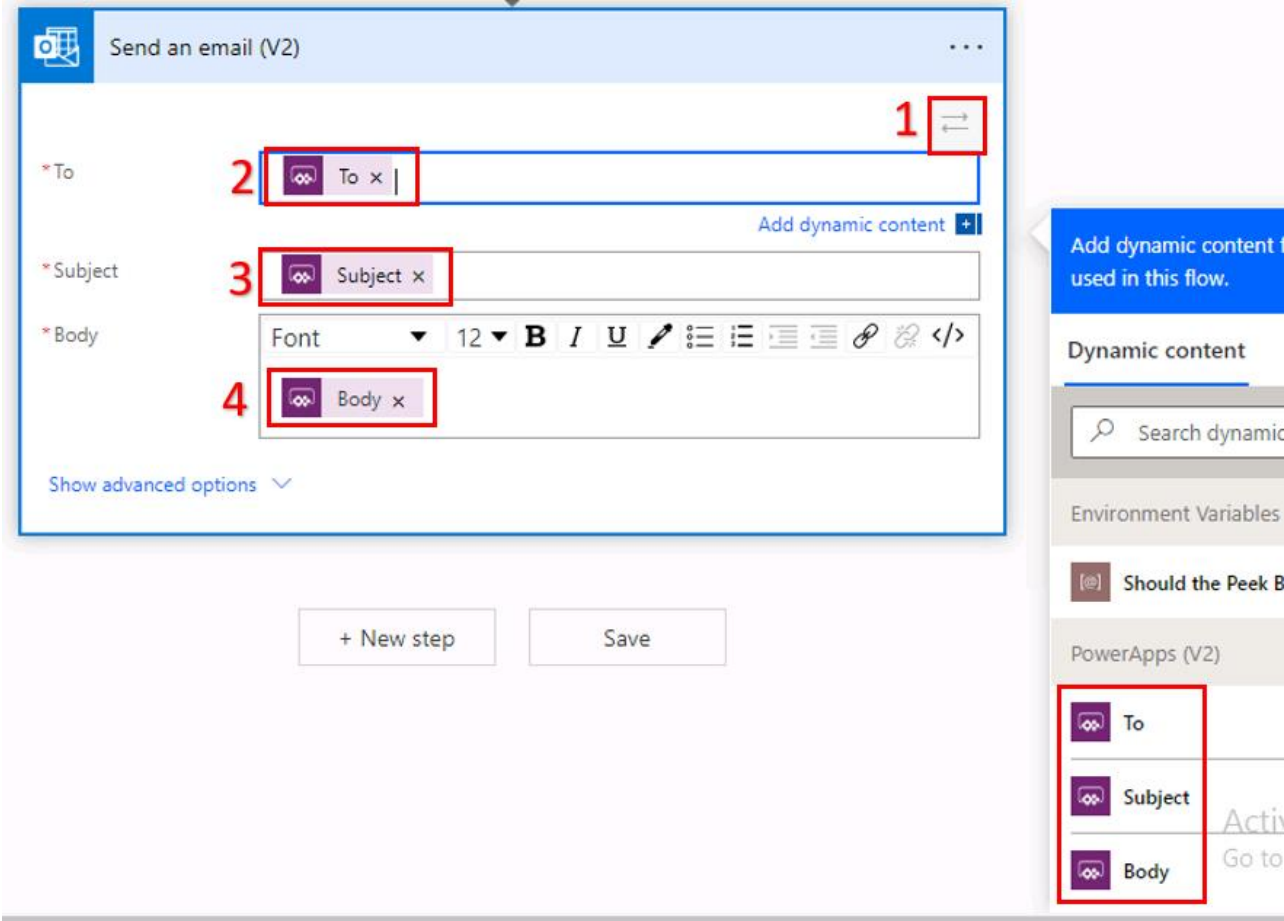
The image shows a PowerApps (V2) interface. It has a purple header bar with the PowerApps logo and the text 'PowerApps (V2)'. Below the header, there is a large white area. In the center of this area, there is a button with a red rectangular border. The button contains the text '+ New step'.



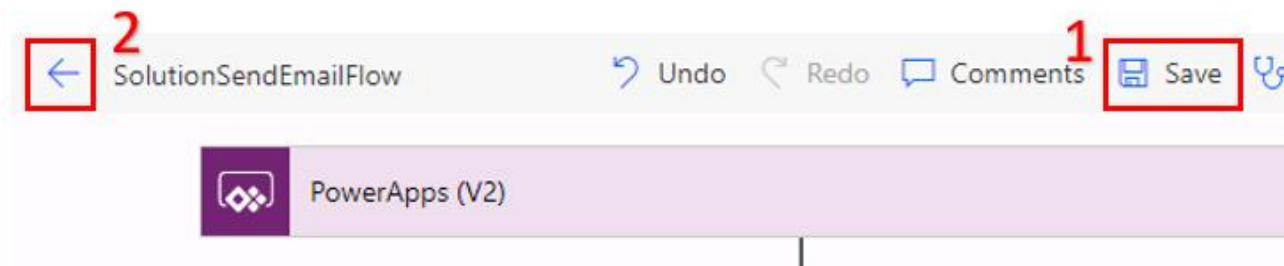
15. Verify that action is using the connection reference we just created



16. Click in the **To** field and the click the 2 arrows button (1) to set it to advanced mode and then from the **Dynamic content** select the defined trigger parameters to corresponding fields like below

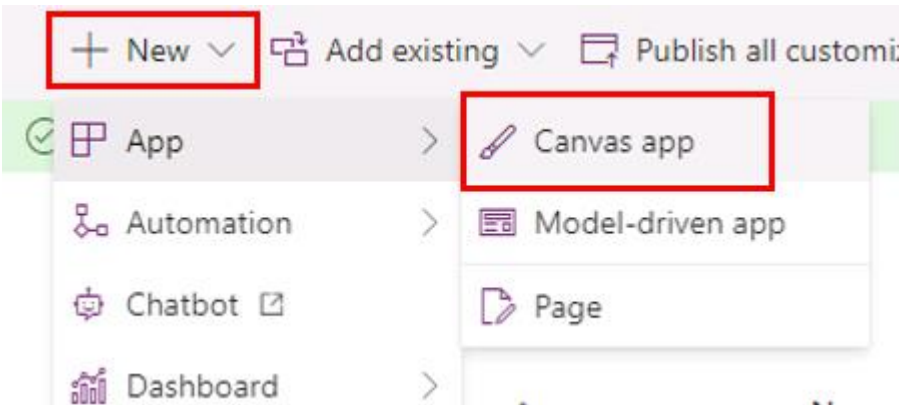


17. Click Save and and back arrow button to return back to solution view



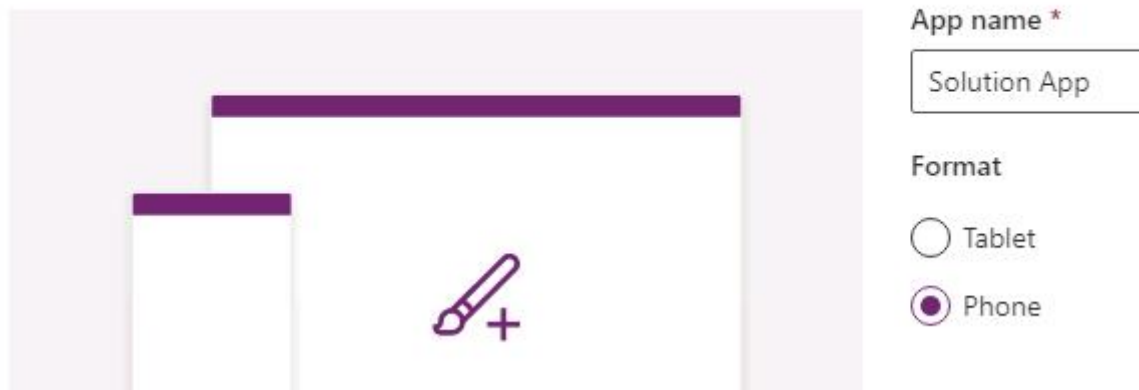
18. Choose + **New** > **App** > **Canvas app**

NOTE: you could also add existing App, Flow etc.



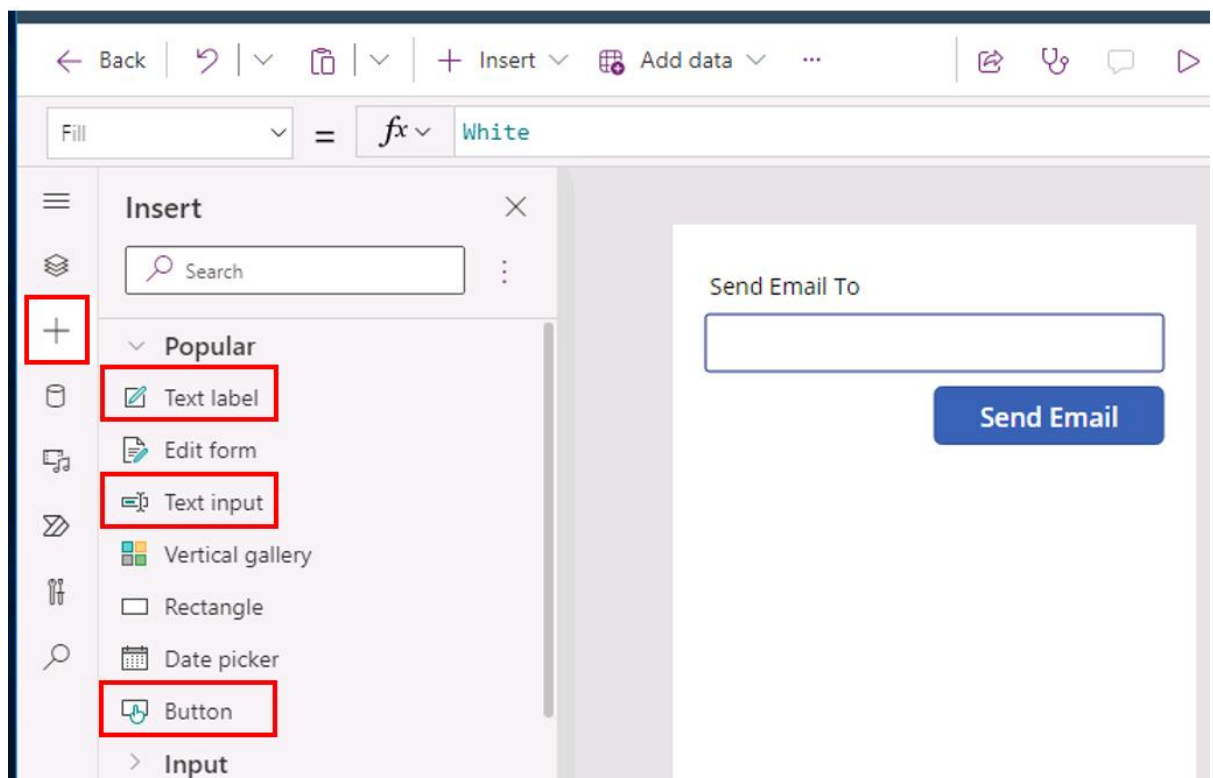
19. Name the app as **Solution App** and select **Phone** format and click **Create**

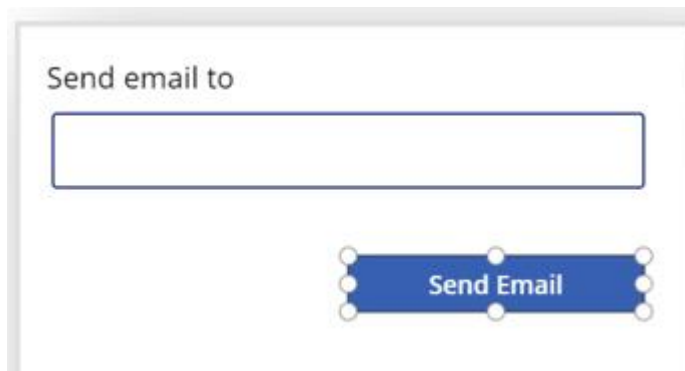
Canvas app from blank



20. We will create similar app as we did in previous exercise, so add the following controls from the **Insert** menu to the app screen:

- Label: Text property = **Send Email To**
- Text box
- Button: Text property = **Send Email**

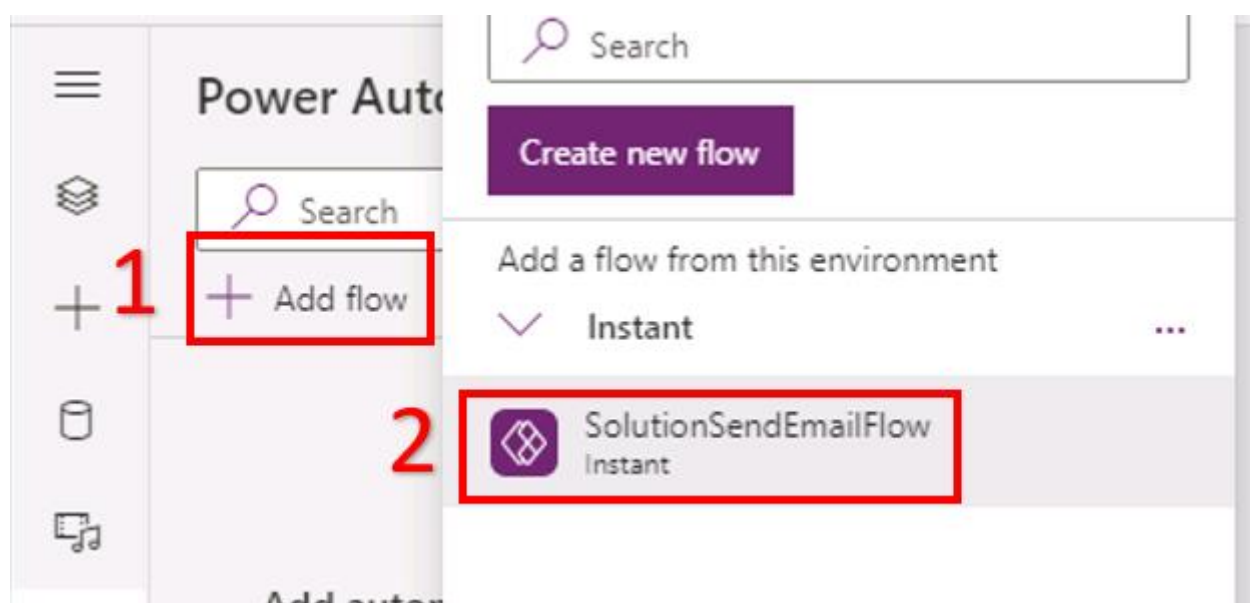




21. Select the button and then in the left menu click **Power Automate**

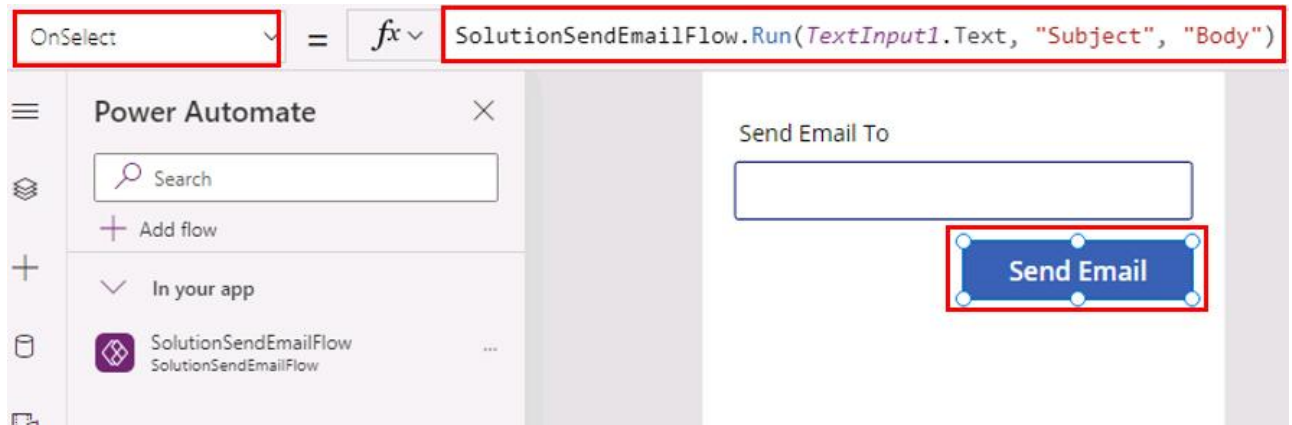


22. Click + **Add flow** and then select the **SolutionSendEmailFlow** we just created

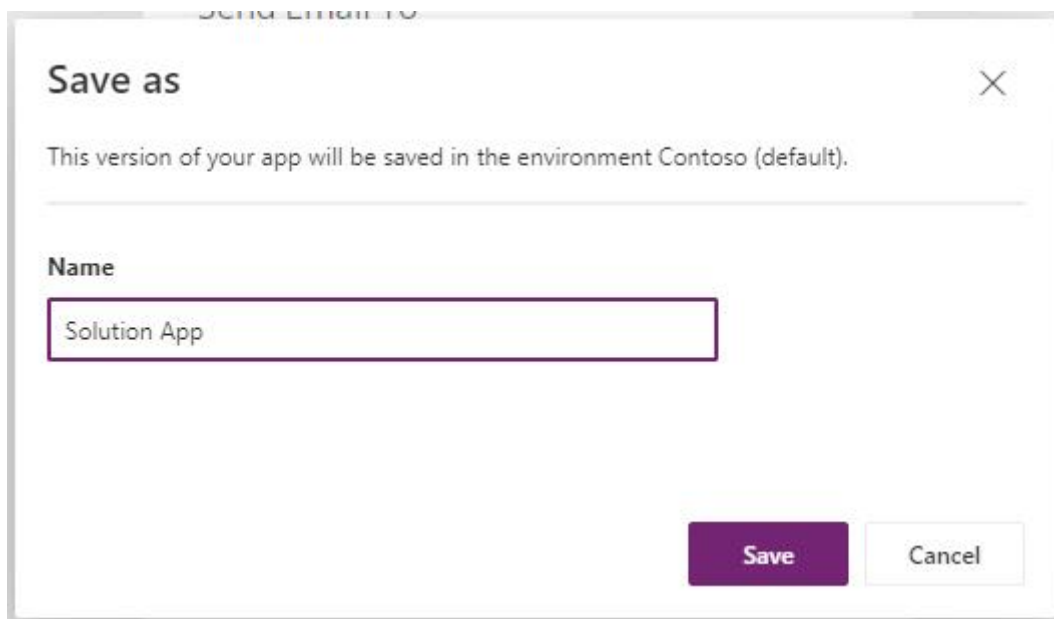


23. Select **Send Email** button and its OnSelect event and replace default false value with this
SolutionSendEmailFlow.Run(TextInput1.Text, "Subject", "Body")

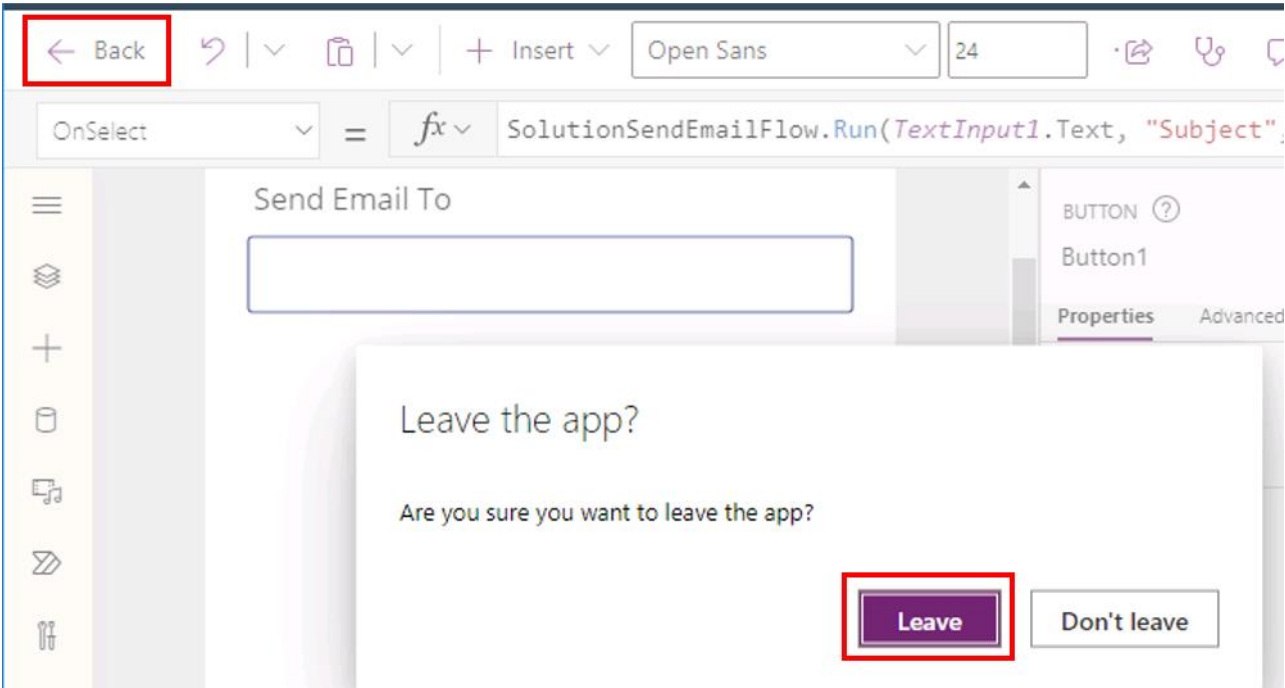
NOTE! your textinput control name could be different if you have changed the name or have added multiple textinput controls to the screen. If that is the case the make sure that you are referring to correct textinput control



24. Press **Ctrl+S** or **Save** button on top right corner to save changes.








25. Click **Back** button and then click **Leave** to return solution view

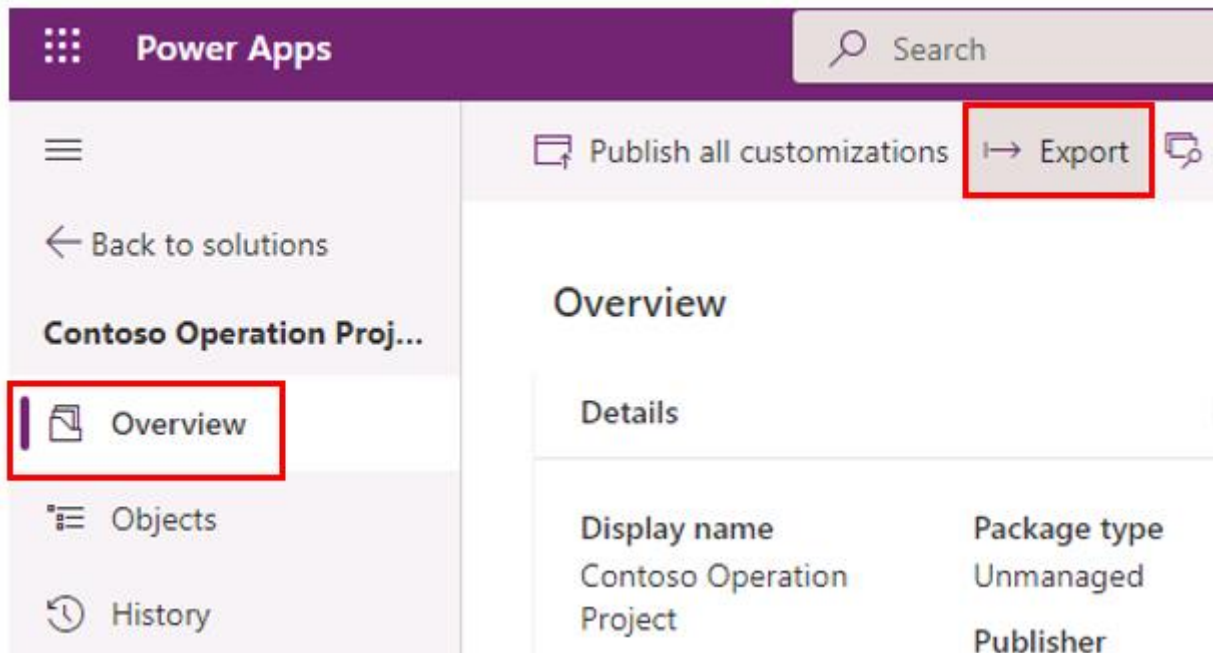


26. Solution should look like back to the created solution and notice that both apps have been added.

Contoso Operation Project > All

	Display name ↑ ↓		Name ↓	Type ↓
	Outlook		condev_Outlook	Connection Reference
	Solution App		condev_solution...	Canvas App
	SolutionSendEmailFlow		SolutionSendEm...	Cloud Flow

27. Click **Overview** in the left menu and select **Export**



28. Click **Next**

Before you export



Publish all changes

If you made changes to this solution that you'd like to export, publish them now. [Learn more](#)

Publish

Check for issues



You haven't checked this solution yet. We recommend running the solution checker to rule out performance and stability issues. [Learn more](#)


Run

Next

Cancel


29. Set **version number** and select **Managed** as export option and click **Export**.

 **Export this solution** 

Version number * 

Current version 1.0.0.0

Export as






☒ **Managed (recommended)** 



The solution is moving to a test or production environment. [Learn more](#)

☐ **Unmanaged**

The solution is moving to another development environment or source control. [Learn more](#)

30. After export package is ready click **Download** to get the solution as ZIP package

 Publish all customizations  Export  Manage search index  Clone  ...

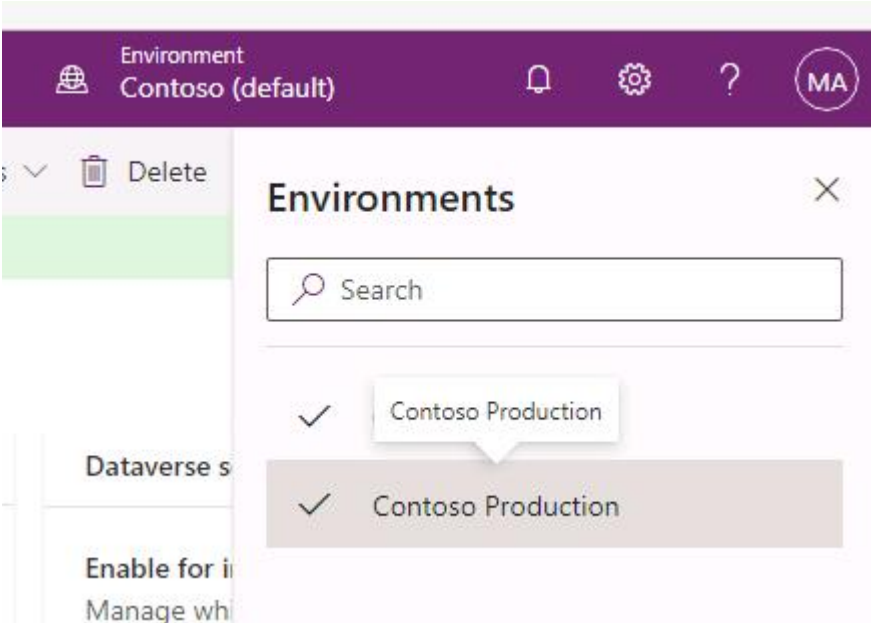
 Solution "Contoso Operation Project" exported successfully. 

Overview

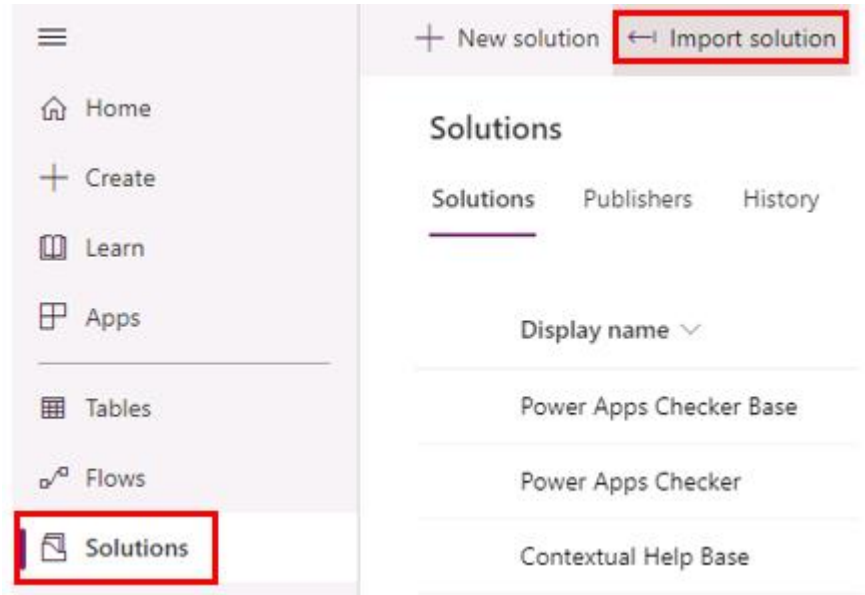
Details			Edit details
Display name	Package type	Description	
Contoso	Unmanaged		



31. Switch to the **Contoso Production** environment



32. Select **Solutions** from the menu and click on **Import solution**



33. Browse the saved solution, then click **Next**

Import a solution

Environment

Contoso Production

Select a file

Browse for the solution file to import.

Browse

ContosoOperationProject_1_0_0_1_managed.zip

Next

Cancel

34. Click **Next**

Import a solution

Environment
Contoso Production

Details

Name
ContosoOperationProject

Type
Managed

Publisher
Contoso Dev

Version
1.0.0.1

Patch
No

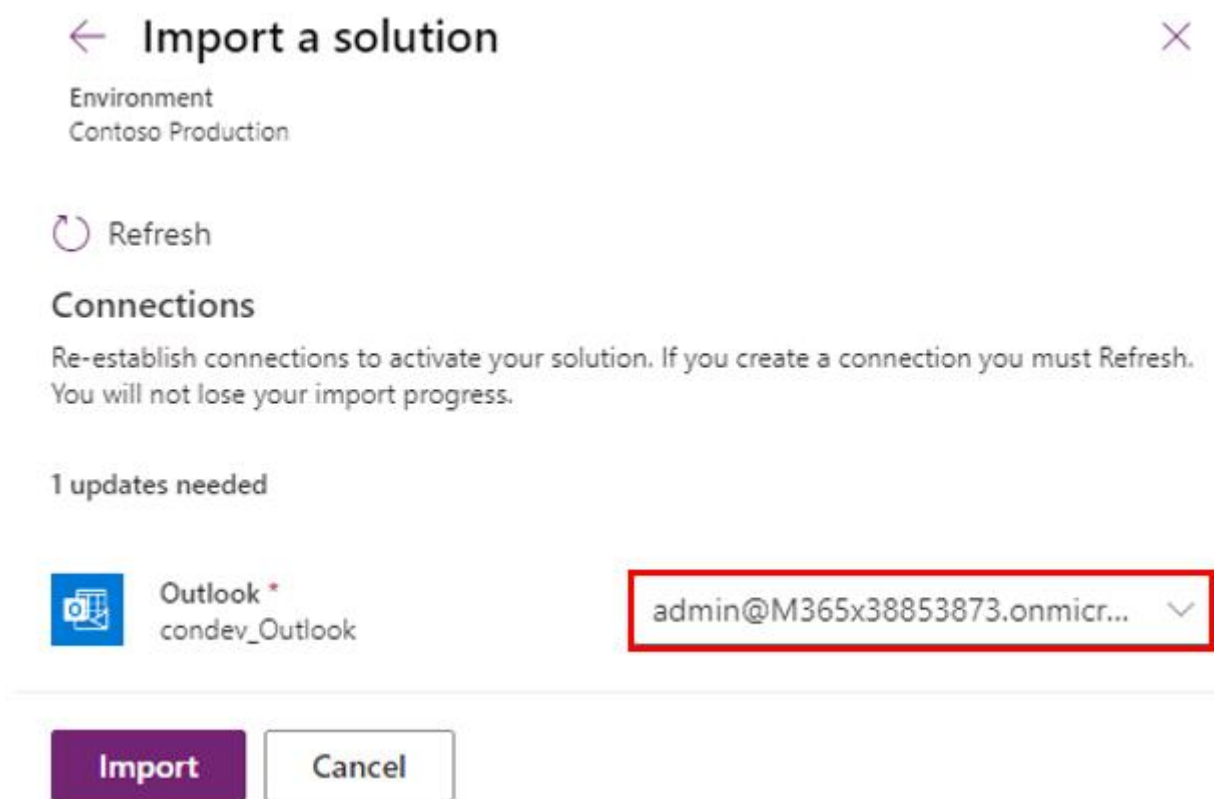
Advanced settings ▾

Next

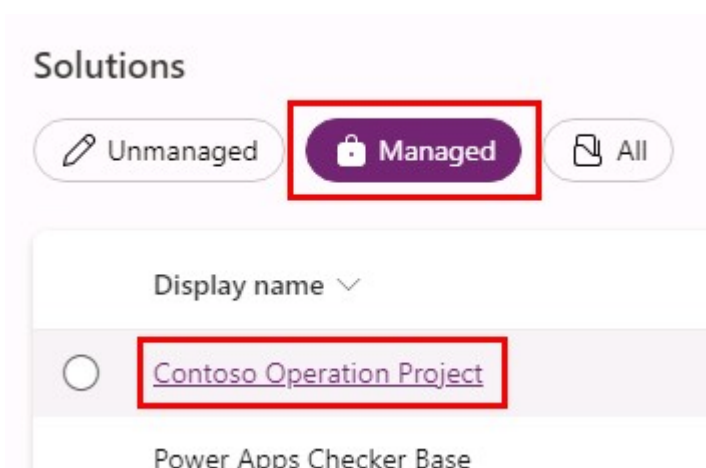
Cancel

35. There should be a Office 365 Outlook connection created for MOD admin account, so in this screen you can just click **Import**.










If there is no connection for Office 365 Outlook then open the dropdown list next to connection and create new connection by clicking + New connection



36. Import will take couple of minutes and when ready test the app that it works. Select **Managed** from the solution type filter and click **Contoso Operation Project**



Contoso Operation Project > All

	Display name 		Name
	Outlook		conde
	Solution App		conde
	SolutionSendEmailFlow	 Edit	
		 Play	

Almost there ...

Solution App needs your permission to use the following. Please allow the permissions to proceed.



Office 365 Outlook
admin@M365x58857801.onmicrosoft.com
Signed in [View permissions](#)

[Switch account](#)

Allow

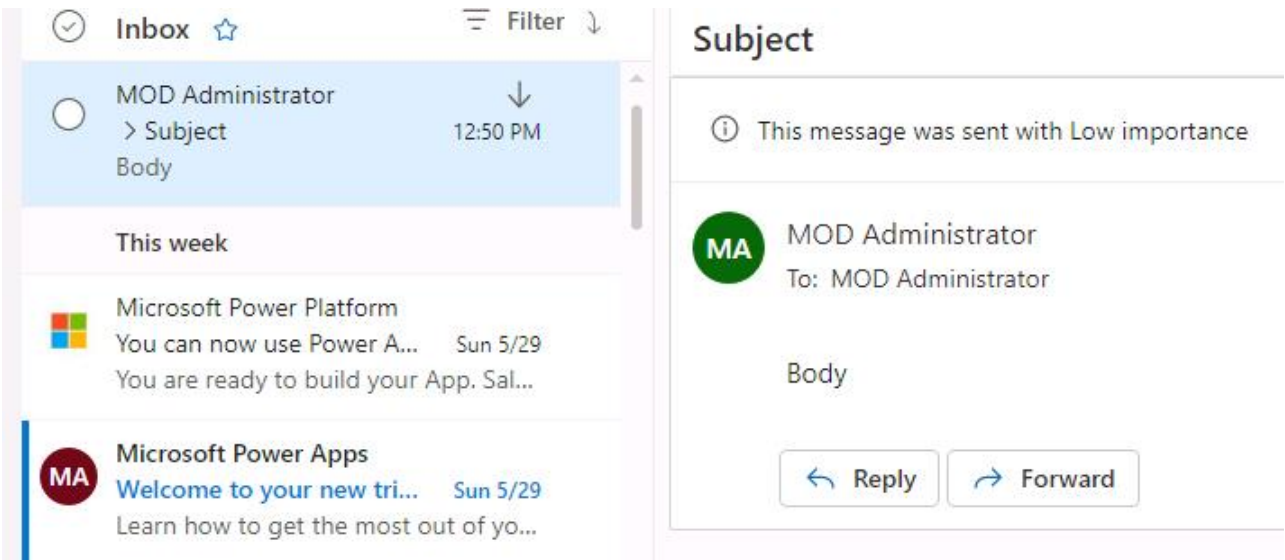
Don't Allow

MOD Administrator Username

Send Email To

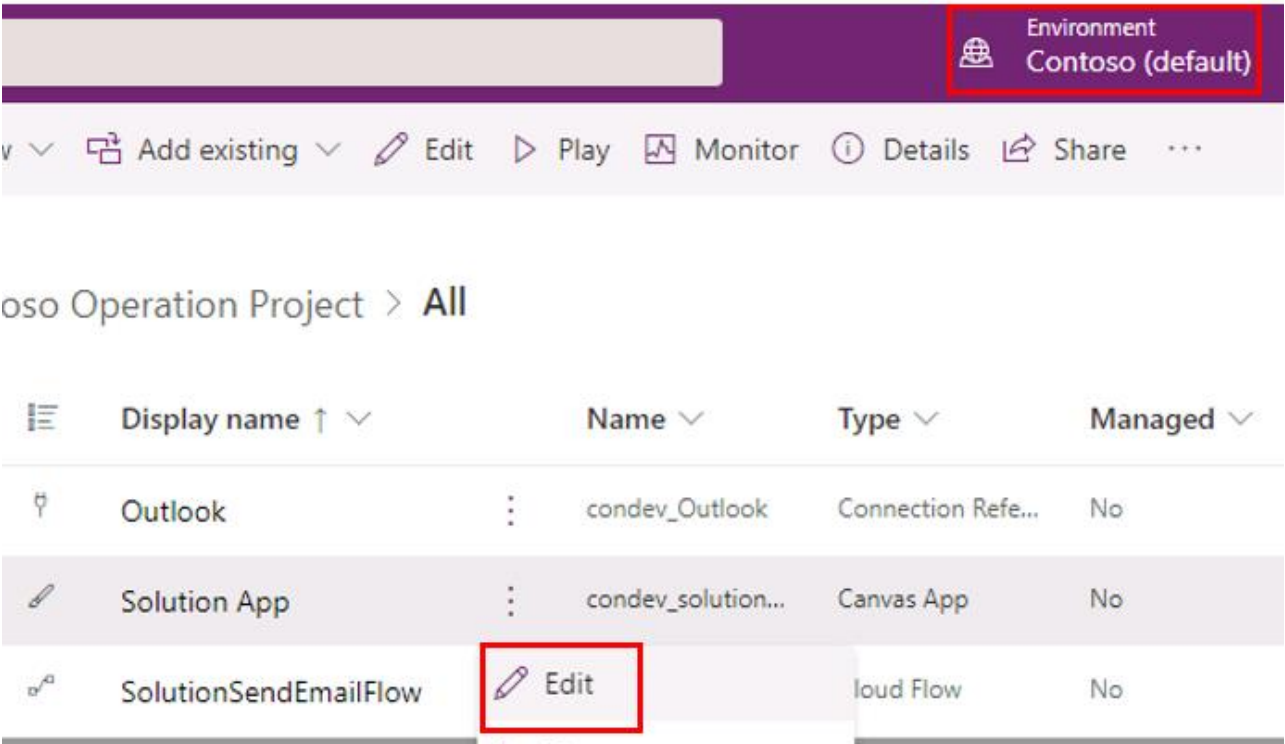
admin@M365x38853873.onmicrosoft.com

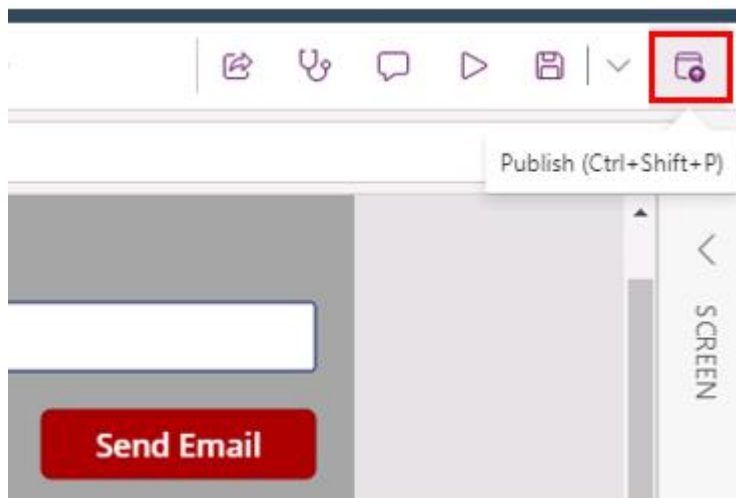
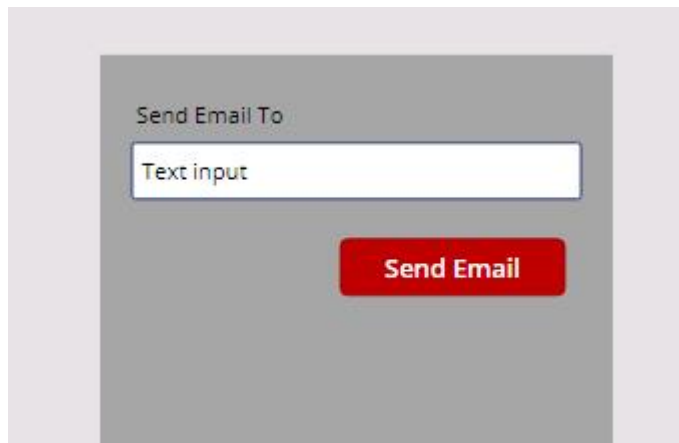
Send Email



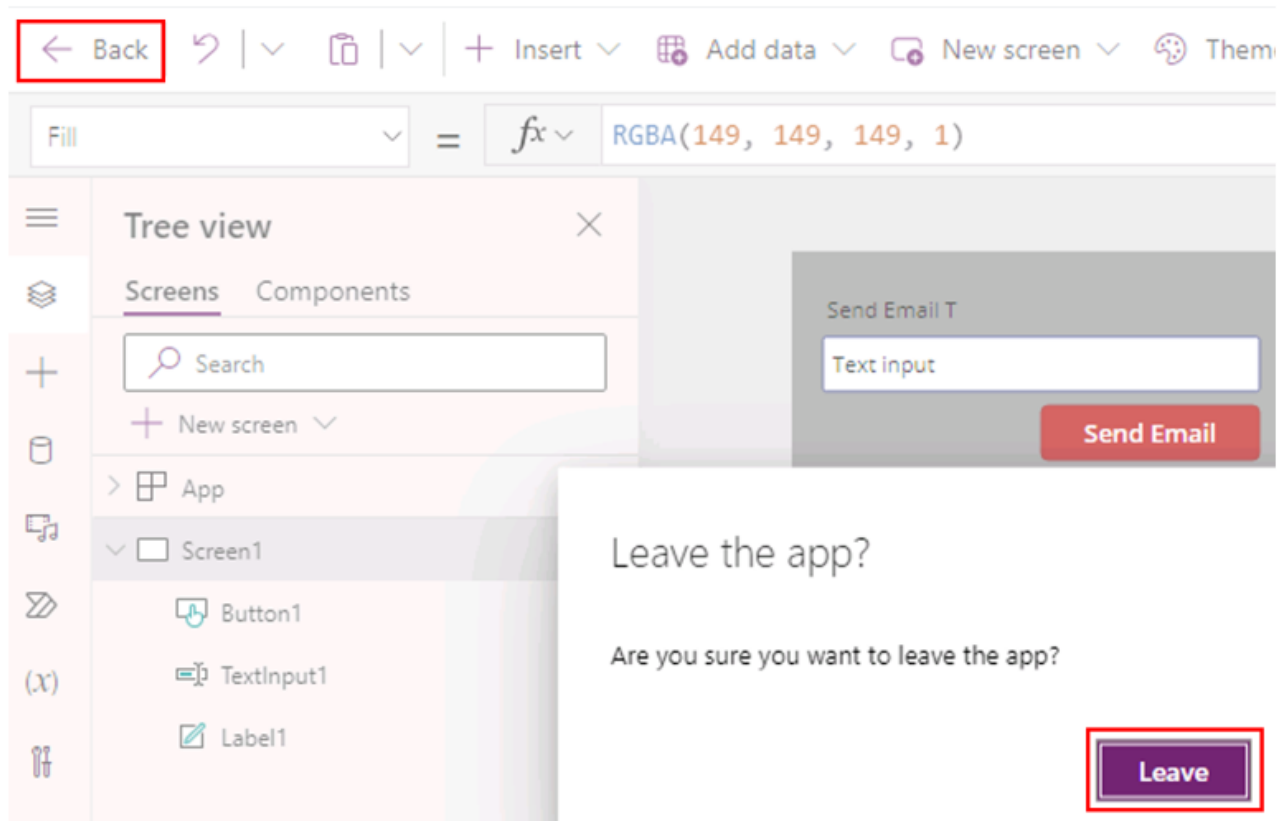
37. Switch to the **Contoso Development** environment.

38. Open the **Contoso Operation Project**, select the **Solution App**, then edit the app by changing colors or adding controls, then save and remember to **publish** these changes.

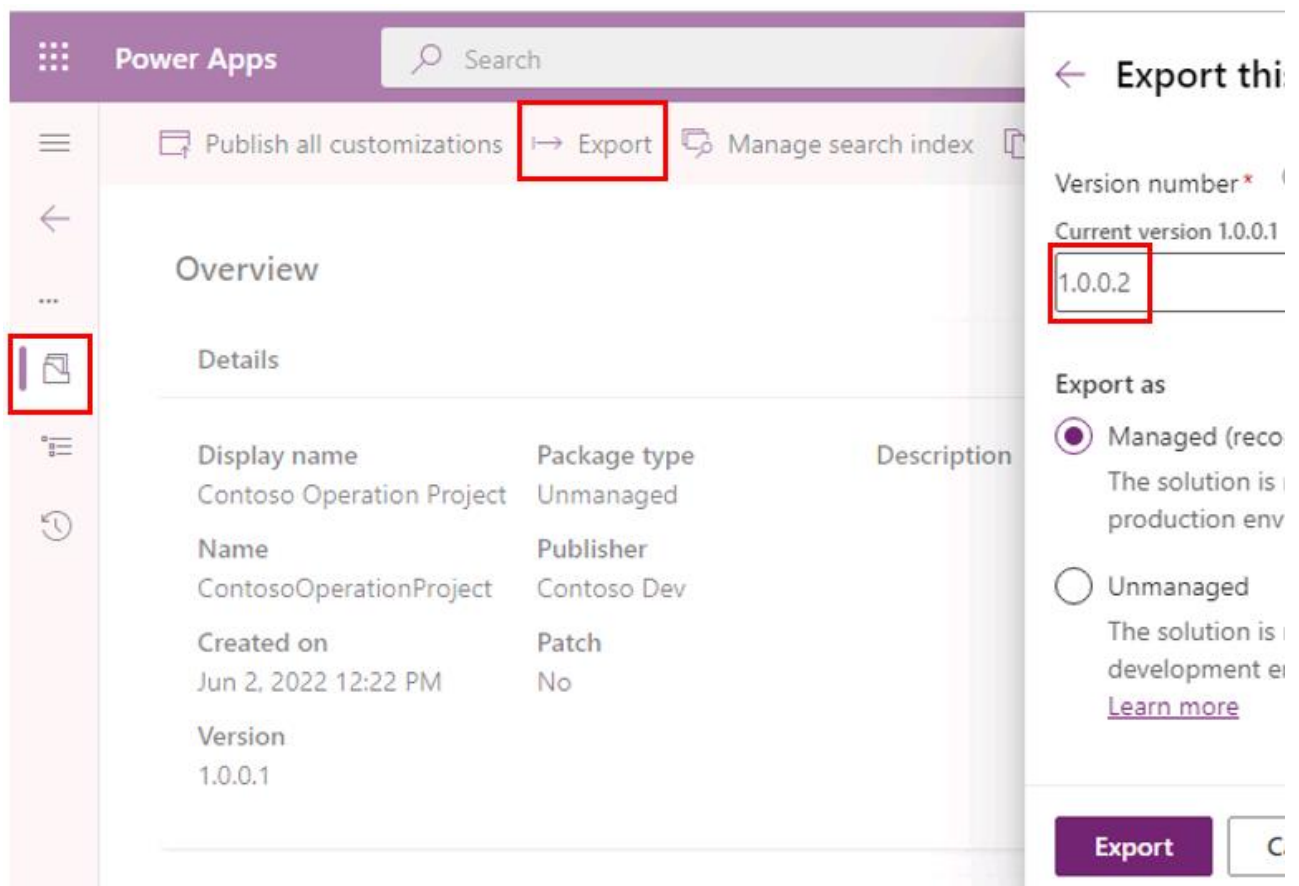




39. Click **Back** and **Leave** to return to the solution



40. Export the solution as **Managed** using version number **1.0.0.2** and when export package is created click **Download**



41. Switch to the **Contoso Production** environment solution tab, then repeat solution import steps and notice that it is detected that the is already older version of the solution and we will upgrade it to version 1.0.0.2

Import a solution

Environment
Contoso Production

i This solution package contains an update for a solution that is already installed.

Details

Name
ContosoOperationProject

Type
Managed

Publisher
Contoso Dev

Current version installed
1.0.0.1

Version contained in the update
1.0.0.2

Patch
No

Advanced settings ^

Solution action [Learn more](#)

☒ Upgrade

Upgrades your solution to the latest version. Any objects not present in the solution will be deleted.

[Activate Windows](#)
Go to Settings to activate Windows.

Import Cancel

42. Test imported solution apps again.

Lab 2

Estimated Time

30 minutes

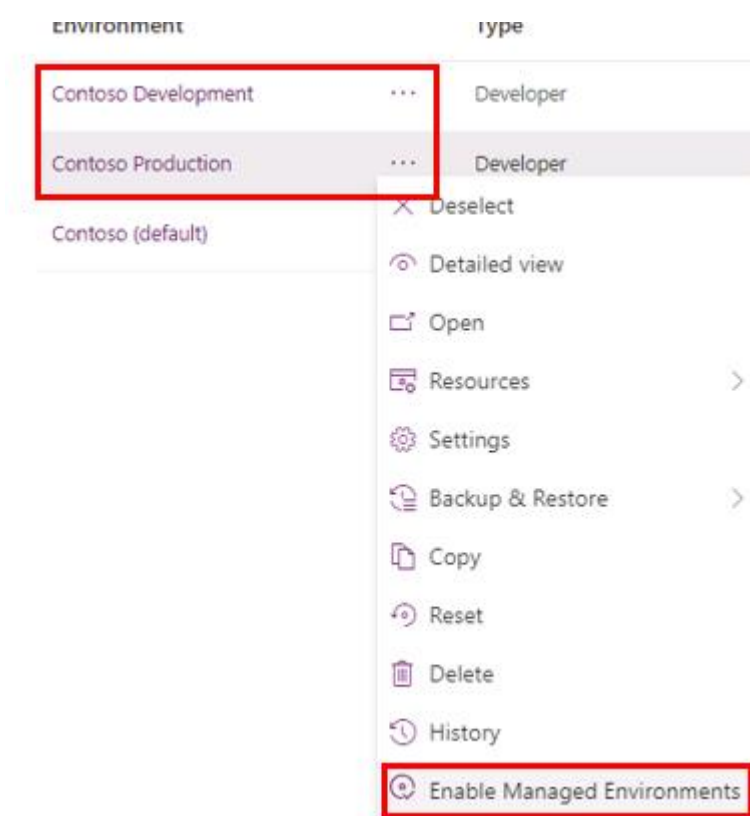
Exercise 1 - Deploy solution using Power Platform Pipelines

In this exercise, we will use Power Platform Pipelines feature to automate deployment of the Solution package between environments

1. Navigate to the Power Platform admin center <https://aka.ms/ppac> and select **Environments** from the left menu

[!hint] Pipelines feature requires that environments which are part of the pipeline deployments are **Managed Environments**.

2. Enable Managed Environments feature for both **Contoso Production** and **Contoso Development** environments. Open the context menu by clicking the three dots and select **Enable Managed Environments**



3. Click **Enable**

Note! As it is stated in the enable managed environments dialog, when enabling this feature all users using resources like apps and flows in the environment will need to have premium standalone license(s) even the resource like app does not use any premium features. This is the requirement of the Managed Environment feature

Note

Enable Managed Environments



Increase visibility and control for Contoso Production. [Learn more](#)

Once enabled, users will need a Power Apps, Power Automate, or Dynamics 365 license with premium use rights to use the respective resources in this environment. [Learn more](#)

[View licensing details](#)

Limit sharing

Help reduce risk by limiting how widely canvas apps can be shared. [Learn more](#)

☒ Don't set limits (default)

☐ Exclude sharing with security groups

☐ Limit total individuals who can share to No limit

Solution checker (preview)

Automatically run security and reliability validations during solution import. [Learn more](#)

Enable

Close

4. Open **Contoso (default)** environment which will act as the pipelines host environment in the lab

Note! In production tenants, it is recommended to create own production environment for the pipeline host

Environments

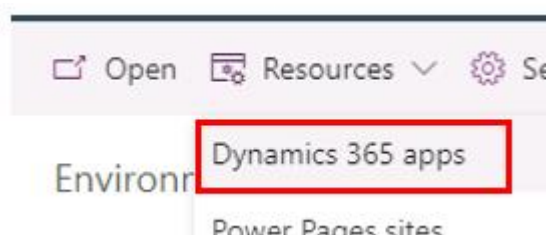
Environment

Sales and Marketing

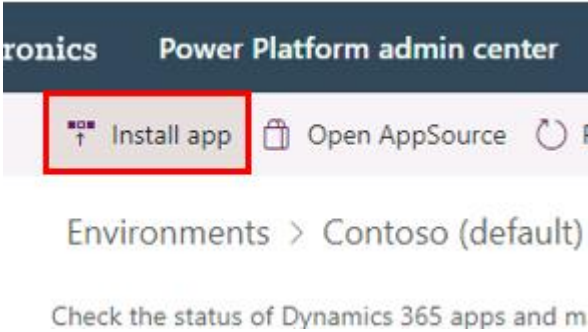
<https://org5e9b1032.crm.dynamics.com/>

☐ **Contoso (default)**

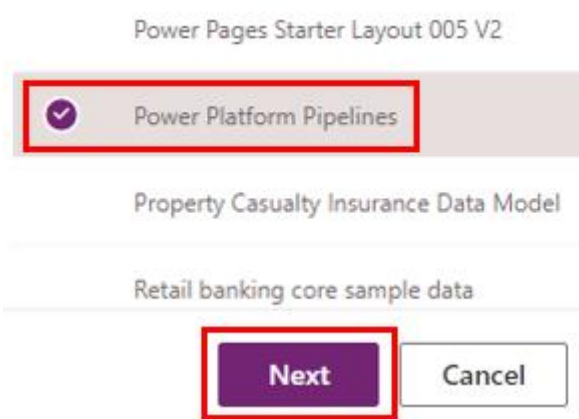
5. Select **Resources** > **Dynamics 365 apps**



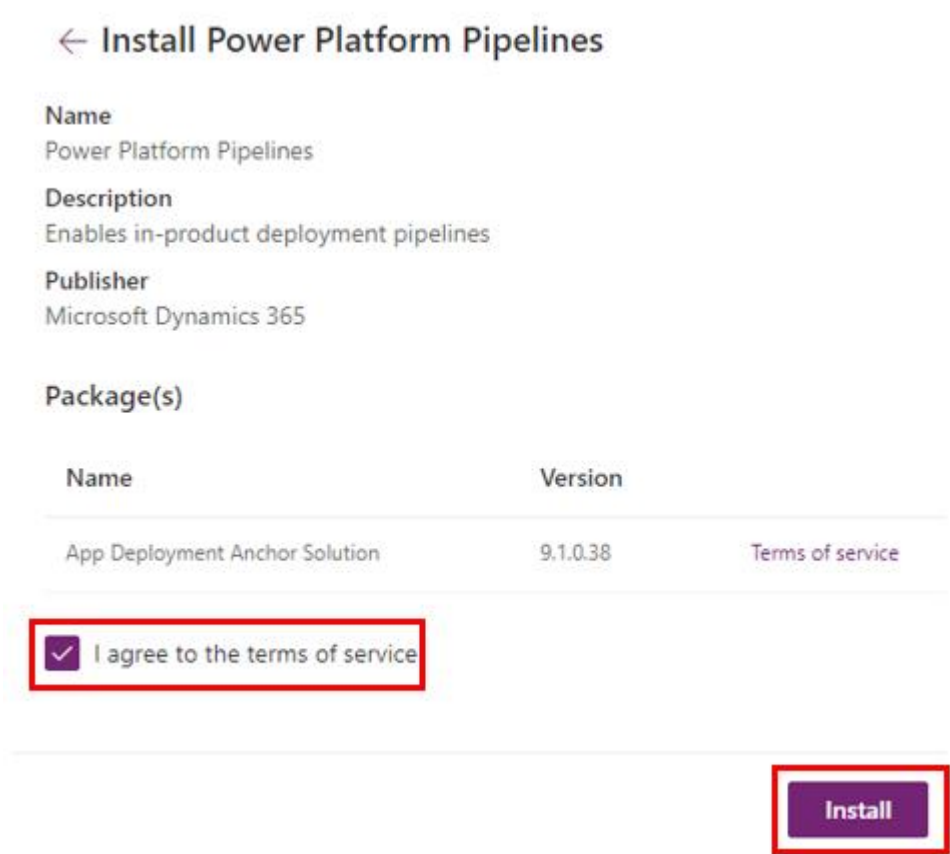
6. Select Install app



7. Scroll down to find and select **Power Platform Pipelines** and click **Next**

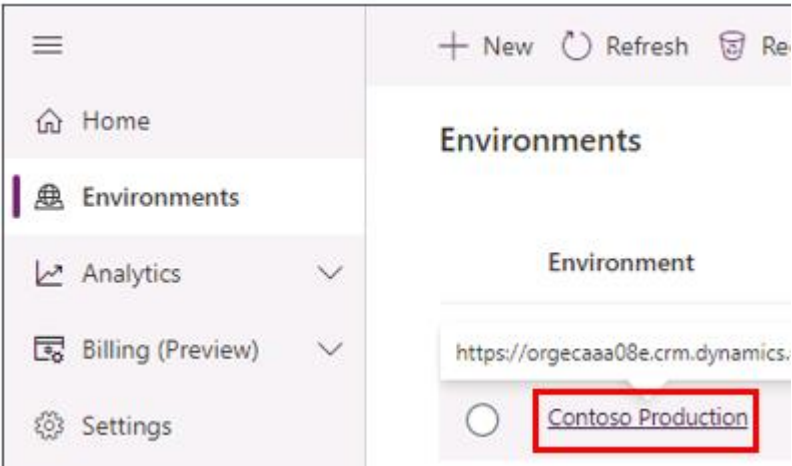


8. Select **I agree to the terms of service** and click **Install**

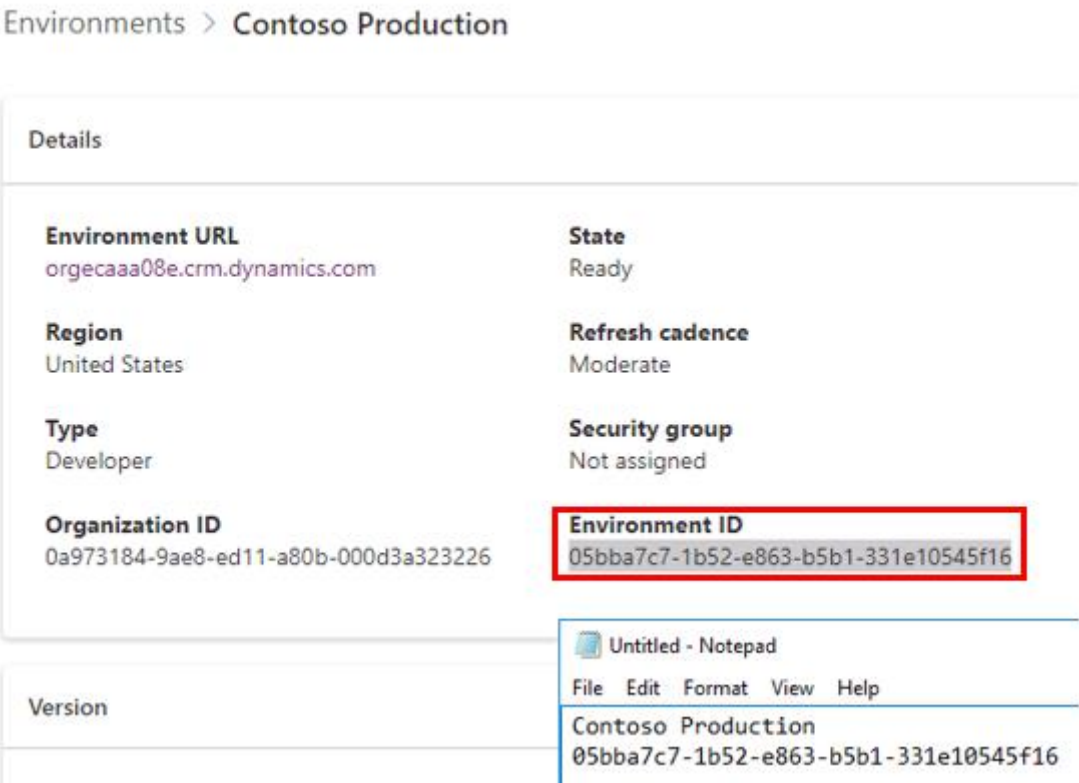


9. Installation takes few minutes, so we will next copy the **Environment ID** of **Contoso Production** and **Contoso Development** environments

10. In Power Platform admin center open **Contoso Production** environment



11. Copy **Environment ID** to notepad like below



12. Do the same for Contoso Development environment

Environments > Contoso Development

Details

Environment URL

org8030def3.crm.dynamics.com

State

Ready

Region

United States

Refresh cadence

Frequent

Type

Developer

Security group

Not assigned

Organization ID

6c3415f4-e5e8-ed11-a80b-6045bd0a970a

Environment ID

40dbfcc8-97a5-e118-a762-ec828cbdfa05

Version

Dataverse version

9.2.23034.00228

Untitled - Notepad

File Edit Format View Help

Contoso Production

05bba7c7-1b52-e863-b5b1-331e10545f16

Contoso Development

40dbfcc8-97a5-e118-a762-ec828cbdfa05

13. Go back to Dynamics 365 apps list of **Contoso (default)** environment and see is the Power Platform Pipelines already installed. If not, then refresh list to see when installation is finished before continuing to next step

Install app Open AppSource Refresh

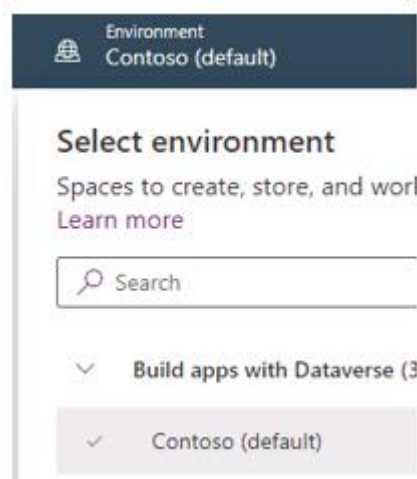
Environments > Contoso (default) > Dynamics 365 apps

Check the status of Dynamics 365 apps and manage them across your org. [Learn more](#)

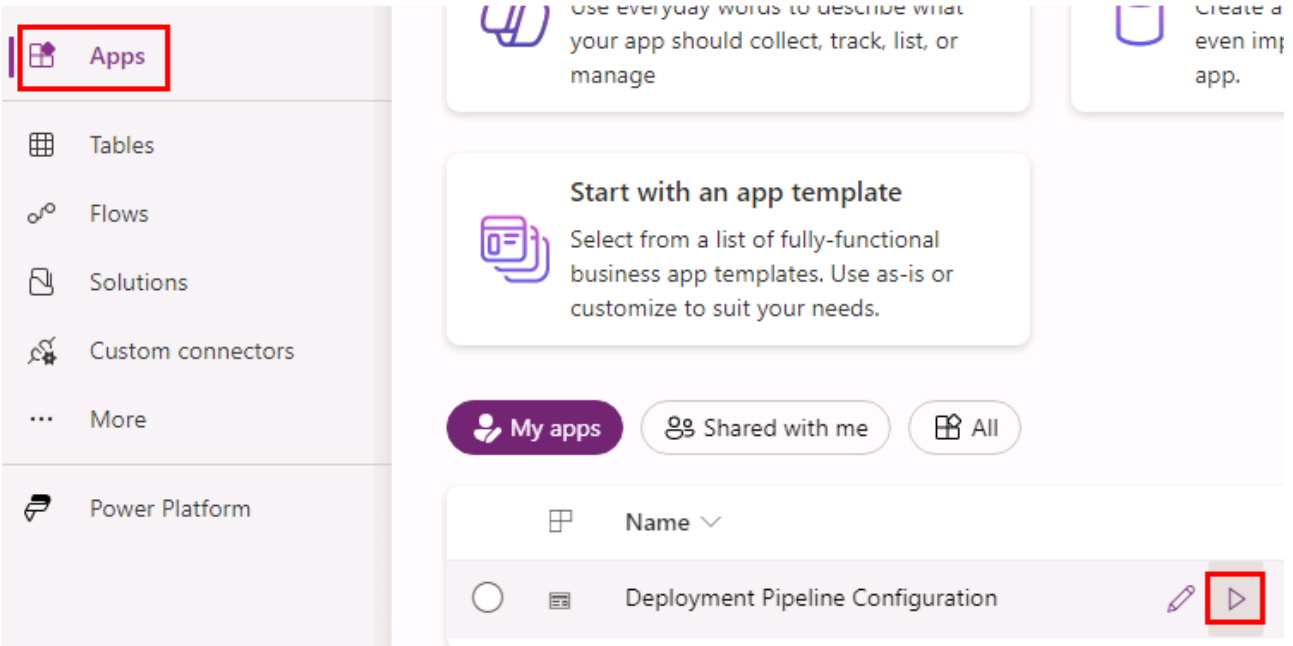
Name	Status ↓
Power BI Extensions (Preview)	Update available
Microsoft Flow Extensions	Update available
Virtual connectors in Dataverse	Update available
Power Platform Pipelines	Installing...

Name	Status ↓
Power BI Extensions (Preview)	Update available
Microsoft Flow Extensions	Update available
Virtual connectors in Dataverse	Update available
Power Platform Pipelines	Installed

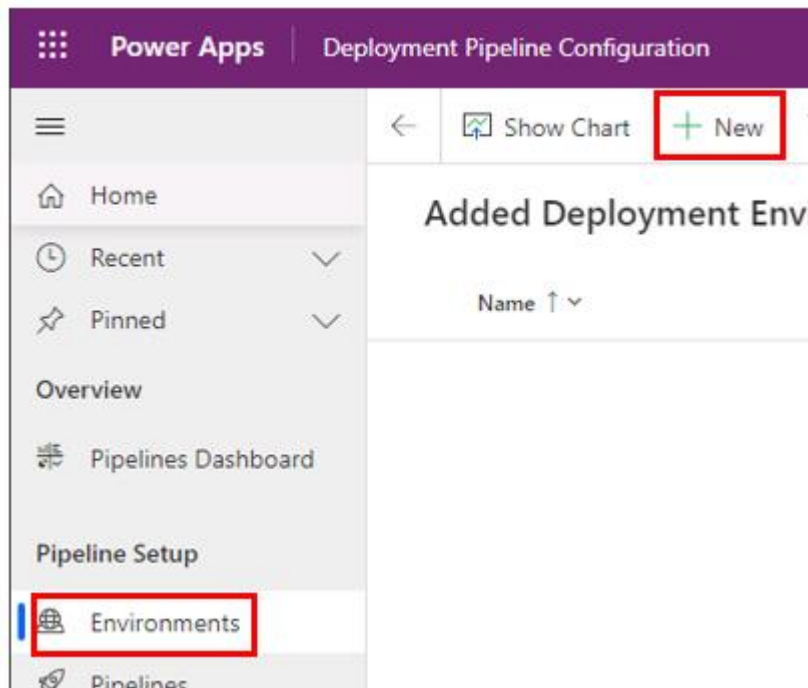
14. Open <https://make.powerapps.com> and make sure that you have **Contoso (default)** environment selected



15. Open the **Deployment Pipeline Configuration** by clicking **Play**



16. Select **Environments** from the left menu and click **New**



17. Add Contoso Production environment using following values and click **Save and Close**

- Name: **Contoso Production**
- Environment Type: **Target Environment**
- Environment ID: *Contoso Production environment ID from notepad*

← Save Save & Close + New Flow

New Deployment Environment - Unsaved

General

Name	* Contoso Production
Owner	* MOD Administrator (Offline)
Environment Type	* Target Environment
Environment ID	* 05bba7c7-1b52-e863-b5b1-331e10545f16
Validation Status	Pending
Error Message	---

Untitled - Notepad
File Edit Format View Help
Contoso Production
05bba7c7-1b52-e863-b5b1-331e10545f16

18. Add another environment configuration for Contoso Development like below

- Name: **Contoso Development**
- Environment Type: **Development Environment**
- Environment ID: *Contoso Development environment ID from notepad*

←

↶

Save

Save & Close

+

New

⌵

Flow

⌵

New Deployment Environment

- Unsaved

General

Name

*

Contoso Development

Owner

*

MA

MOD Administrator (Offline)

Environment Type

*

Development Environment

Environment ID

*

40dbfcc8-97a5-e118-a762-ec828cbdfa05

🔒

Validation Status

Pending

🔒

Error Message

Untitled - Notepad

File Edit Format View Help

Contoso Production

05bba7c7-1b52-e863-b5b1-331e10545f16

Contoso Development

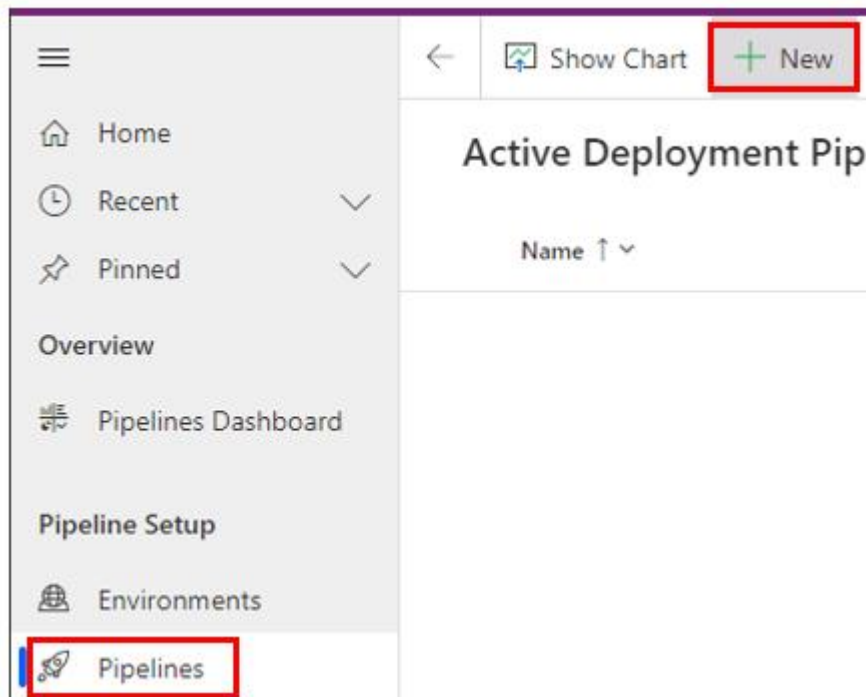
40dbfcc8-97a5-e118-a762-ec828cbdfa05

19. You should have now two environments configured similar like below

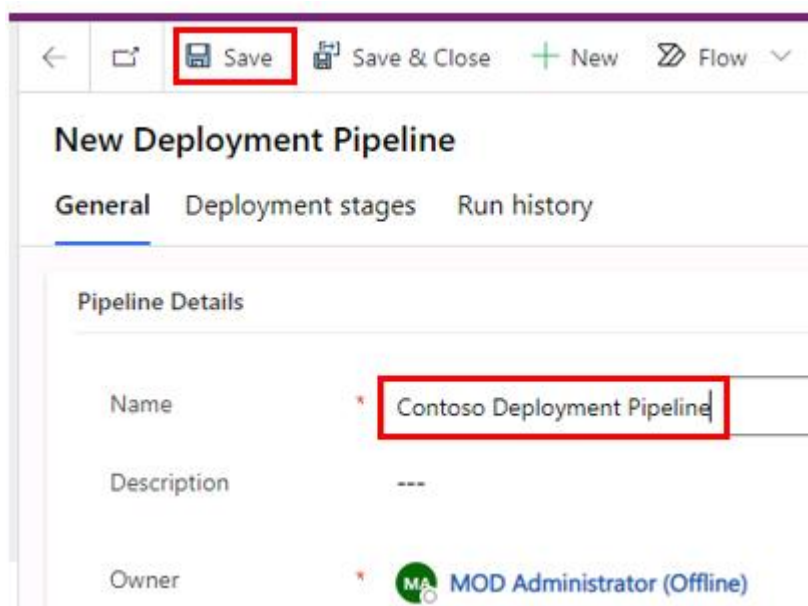
Added Deployment Environments ⌵ Edit columns

<div><div>○</div></div> Name ↑ ⌵	Environment Type ⌵	Environment ID ⌵	Validation Status ⌵
Contoso Development	Development Enviro...	40dbfcc8-97a5-e118-a762-ec828cbdf...	Success
Contoso Production	Target Environment	05bba7c7-1b52-e863-b5b1-331e1054...	Success

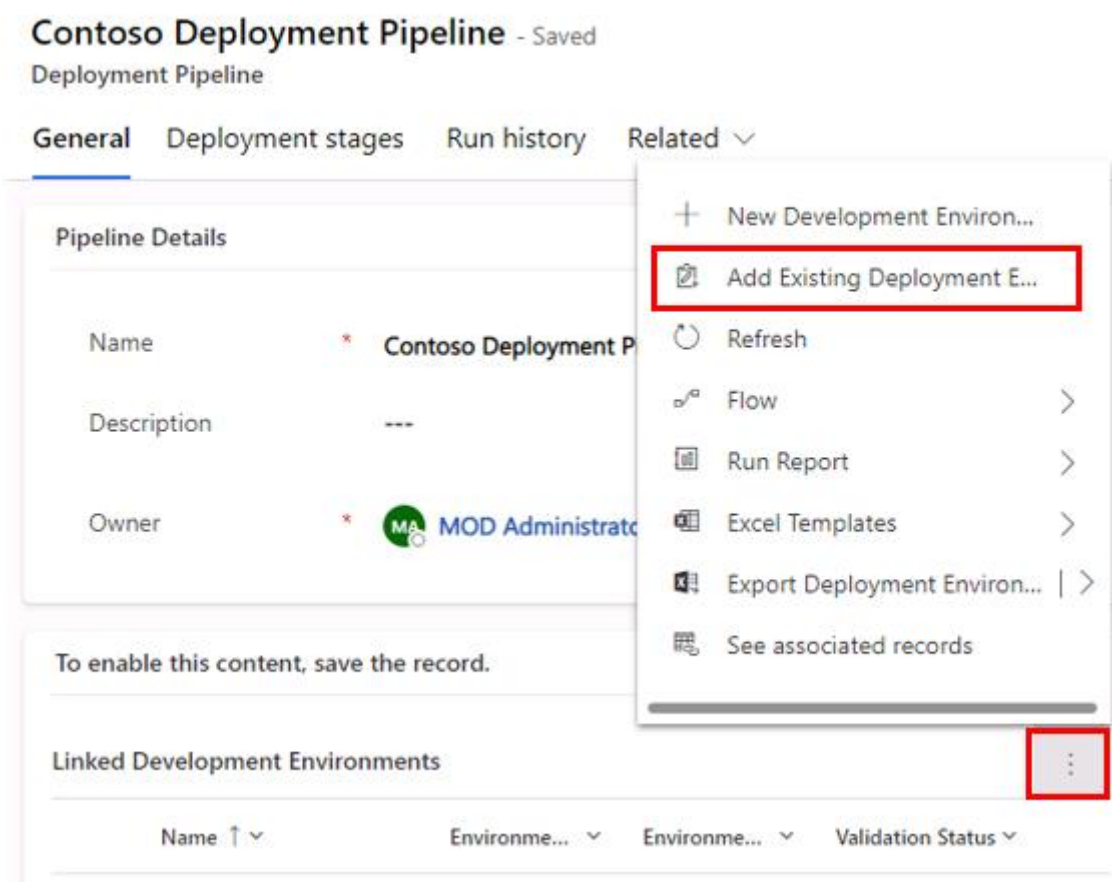
20. Select **Pipelines** and click **New**



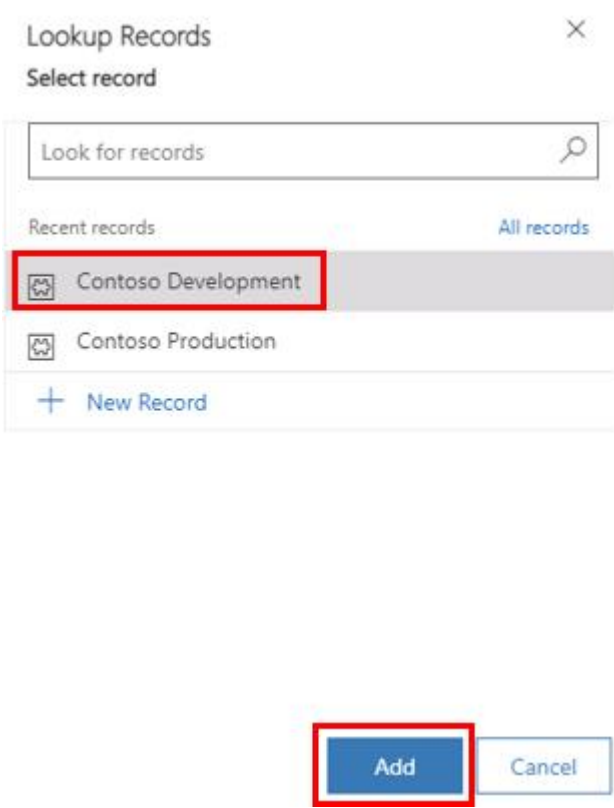
21. Name the pipeline as **Contoso Deployment Pipeline** and click **Save**



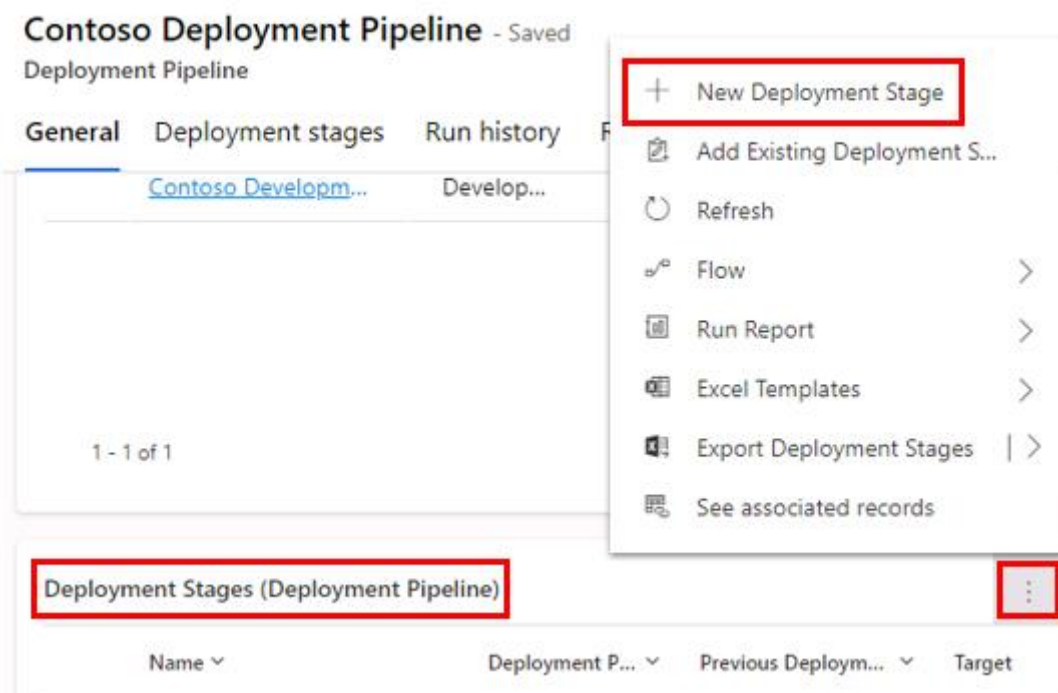
22. In the Linked Development Environments grid, click the **three dots** in the right side of the grid and select **Add Existing Deployment Environment**



23. Select the **Contoso Development** environment and click **Add**



24. In the Deployment Stages grid, click the **three dots** in the right side of the grid and select **New Deployment Stage**



25. Set the stage settings like below then click **Save and Close**

- Deployment Pipeline = **Contoso Deployment Pipeline** (should be selected by default)
- Name = **Deploy to Production**
- Target Deployment Environment ID = **Contoso Production**

Quick Create: Deployment Stage

×

Deployment Pipeline

Contoso Deployment Pipeline

Name

* Deploy to Production

Description

Previous Deployment Stage

Target Deployment Environment ID

Contoso ProductionS

Deployment Environments

Contoso Production

b7d27374-492e-e049-8d68-f5a3cc31bd0f

▼

+

New Deployment Environment

Advanced lookup

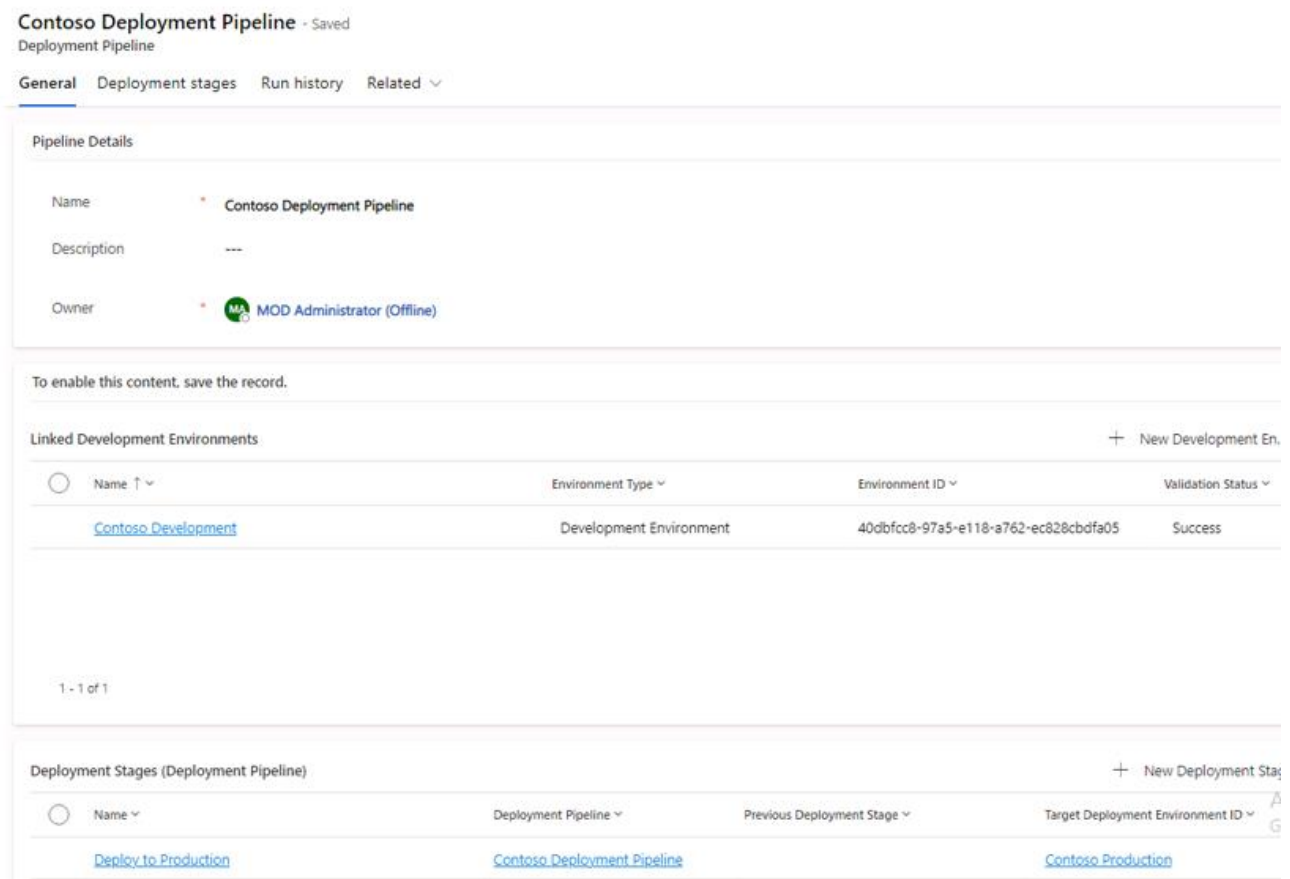
Save and Close

▼

Cancel

26. Configuration should look like below now.

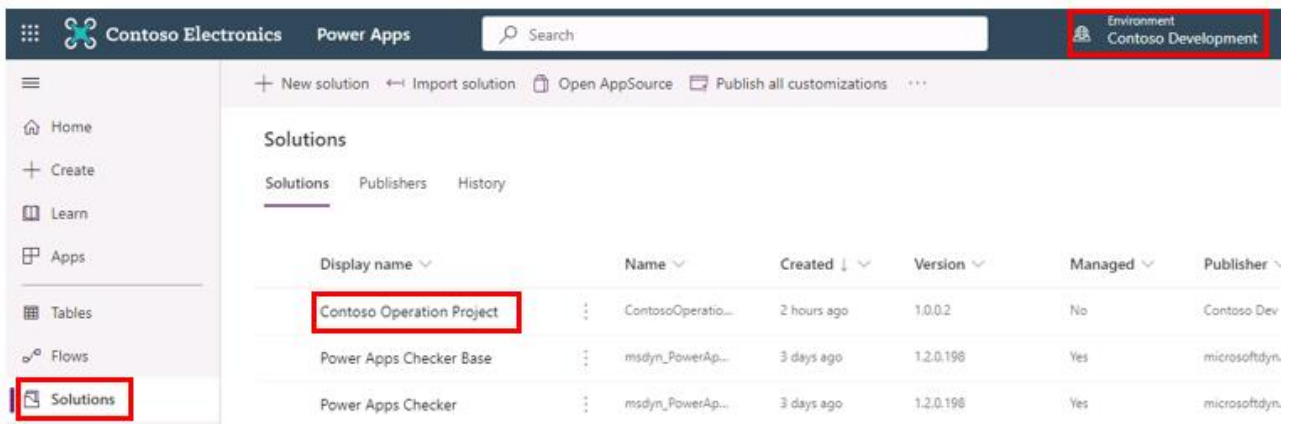
Note! In production setup we would normally have at least test environment and probably QA environment as well in the pipeline configuration



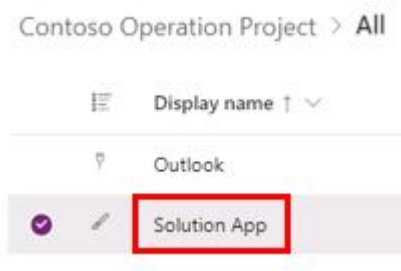
27. In production deployments we would also need to grant access to pipelines and environments for users who should be able to use the pipeline to run the deployments. In this exercise we only use MOD admin account which already have all the required permissions, so no need to grant any additional permissions

28. Go to <https://make.powerapps.com> and select **Contoso Development** environment

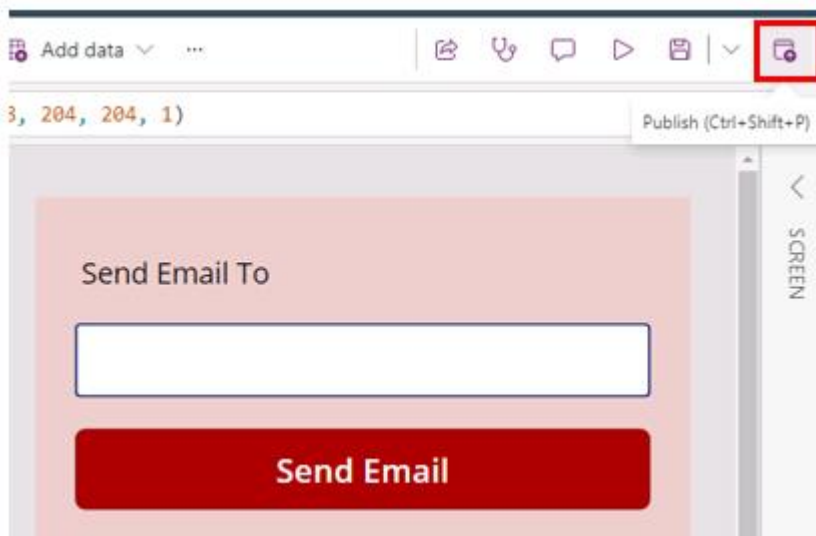
29. Open **Solutions > Contoso Operation Project**



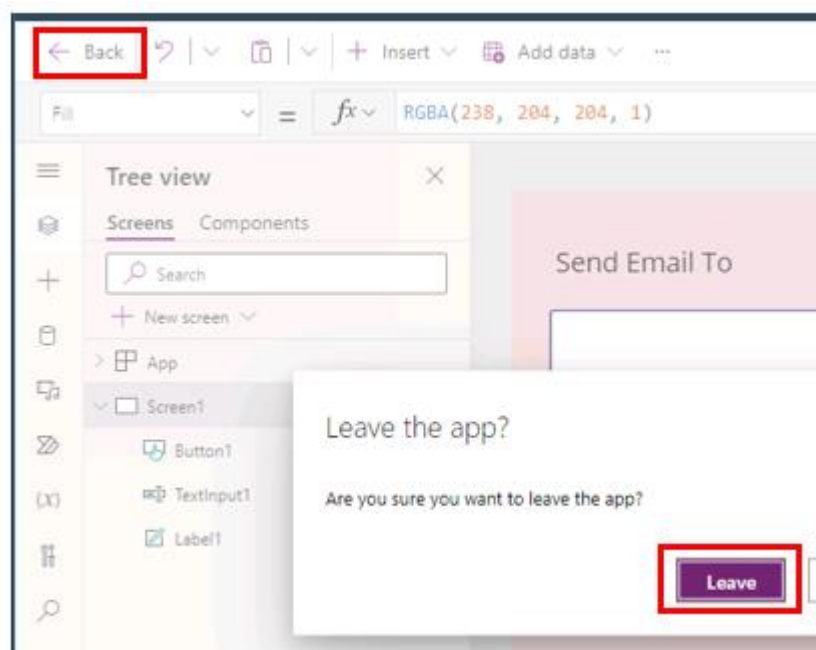
30. Edit **Solution App**



31. Again do some small change to the app and **Publish**



32. Click **Back** and **Leave** to move back to solution



33. It is good to still verify that the latest version of the app is really the published liveversion

Apps > Solution App

Details Versions Connections Flows Analytics (preview)

ⓘ It's only possible to restore app versions that were created in the last six months. [Learn more](#)

Version		Modified	Modified by	Power Apps release	Published
Version 3	...	5/2/2023, 9:57:25 AM	MOD Administrator	3.23043.16	Live
Version 2	...	5/2/2023, 9:02:55 AM	MOD Administrator	3.23043.16	
Version 1	...	5/2/2023, 7:01:07 AM	MOD Administrator	3.23043.16	

34. Select **Pipelines** from the left menu and verify that **Contoso Deployment Pipeline** is selected. Then click **Deploy here**

☰

← Back to solutions

Contoso Operation Proj...

Overview

Objects

History

Pipelines

Pipelines

As your app advances, you'll start sharing it to be used in your organization. As it gets widely adopted, it's important to practice healthy application lifecycle management by building securely in an isolated location so the people using your app don't run into issues while you work on it. Once everything is ready, you'll move it to a more permanent place and share there. [Learn more](#)

Pipeline

Contoso Deployment Pipeline

Details Run history

Development

Securely test and verify in isolation. After you've got everything working properly, it's time to deploy. [Learn more](#)

Solution version 1.0.0.2

→

Deploy to Production

ⓘ Contoso Production

Go to this environment

Deploy here

35. As we only have one deployment target we can't change anything in the Destination definition, so click **Next**

62 / 66

Deploying Solution



Select deployment target

Select the deployment pipeline you'd like to use. If you choose a pipeline - select the stage to deploy to.

Pipeline

Contoso Deployment Pipeline

☐ Deploy to Production

Deployment schedule

☒ Now

☐ Later

Back

Next

36. Office 365 Outlook connection reference should have connection defined already but if there isn't then you can create necessary connection here.

Click **Next** after verifying that connection is created

Deploying Solution

✓ Destination

● Connections

○ Summary

Connections

Re-establish connections to activate your solution.

1 updates needed

Sign in

These services use your credentials to sign into apps and create connections. A green check means you're ready to go.

Outlook

condev_Outlook

Permissions

✓ ...

Back

Next

Close

37. Version number can be changed here if needed but by default it should be increased by one. Click **Deploy**

Deploying Solution

✓ Destination

✓ Connections

✓ Summary

Pipeline

Contoso Deployment Pipeline

Display name

Contoso Operation Project

Publisher

Contoso Dev

Version *

1.0.0.3

Deployment notes

Leave a note about the updates you've made (optional)

Back

Deploy

38. Deployment will start and you can monitor the progress here and also open the target environment to see when the new solution version is deployed

Development

Securely test and verify in isolation. After you've got everything working properly, it's time to deploy. [Learn more](#)

Solution version
1.0.0.2

→

Deploy to Production

Go to this environment

Contoso Production

Currently deploying version 1.0.0.3

Deploy here

65 / 66

✔ Solution "Contoso Operation Project" imported successfully.

Solutions

Solutions

Publishers

History

Display name ▾	Name ▾	Created ↓ ▾	Version ▾
Contoso Operation Project	⋮ ContosoOperationPr...	1 minute ago	1.0.0.3

Deploy to Production

🕒 Contoso Production

Last successfully installed version

1.0.0.3

Last deployed

✔ May 2, 2023 9:53 AM (a few seconds ago)

39. Test that the new version with latest changes is working in the Contoso Production environment

[!KNOWLEDGE] For more information about deploying resources across environments using solutions, review the Microsoft [Exporting Solutions](#) and [Importing Solutions](#) docs.

Congratulations

You have now completed the lab. Check if any of your colleagues need help with completing the lab.