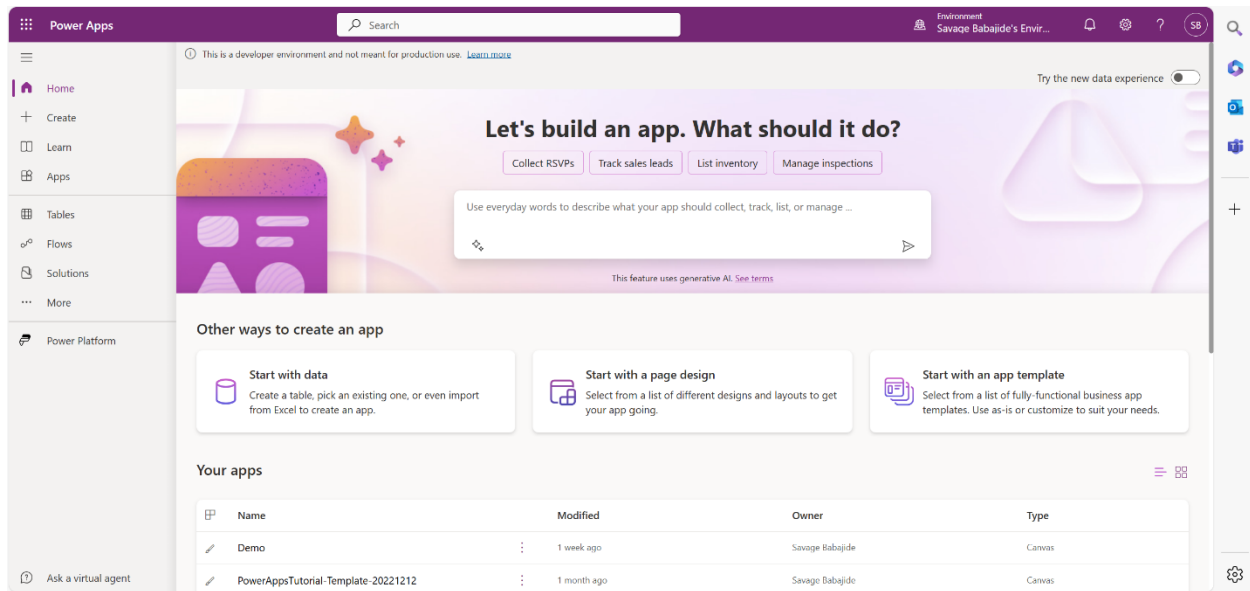


# POWER PLATFORM PIPELINES TUTORIAL (Step-by-Step)

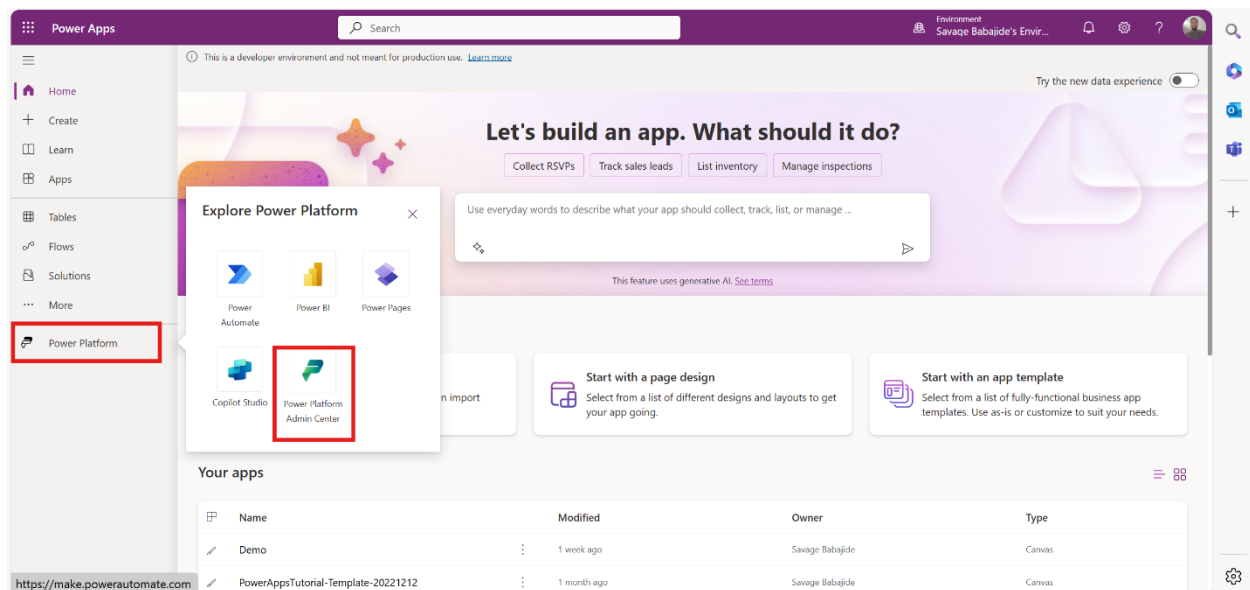
## STEP 1

Open Power PowerApps portal [www.make.powerapps.com](https://www.make.powerapps.com)



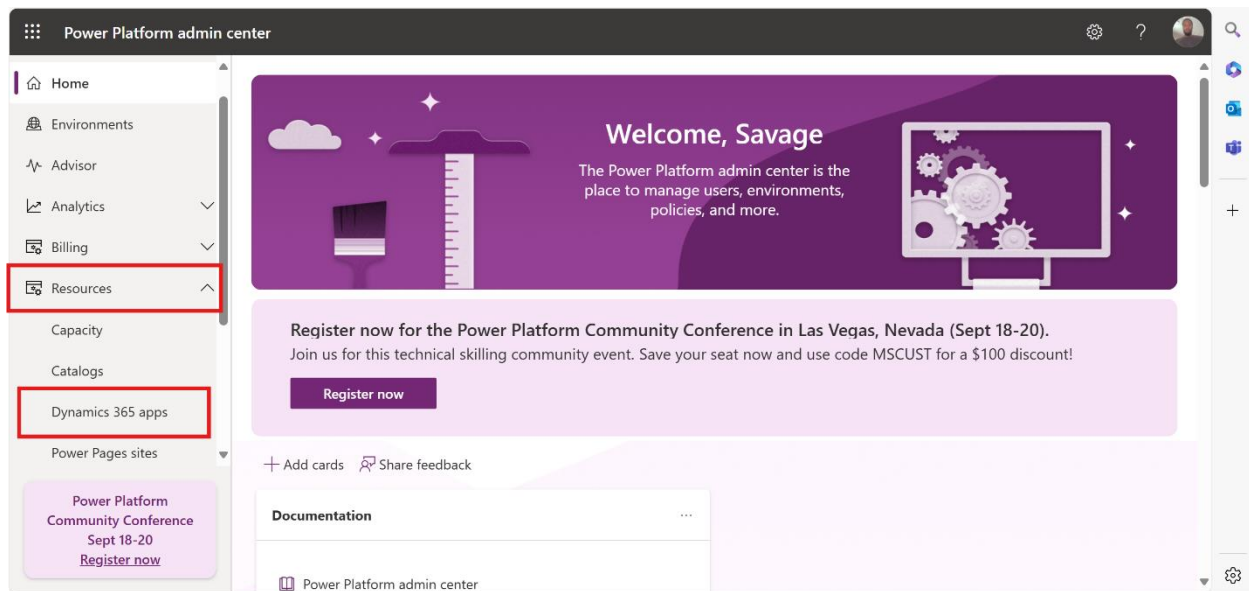
## STEP 2

Click on **Power Platform**, and also click on **power platform admin center**



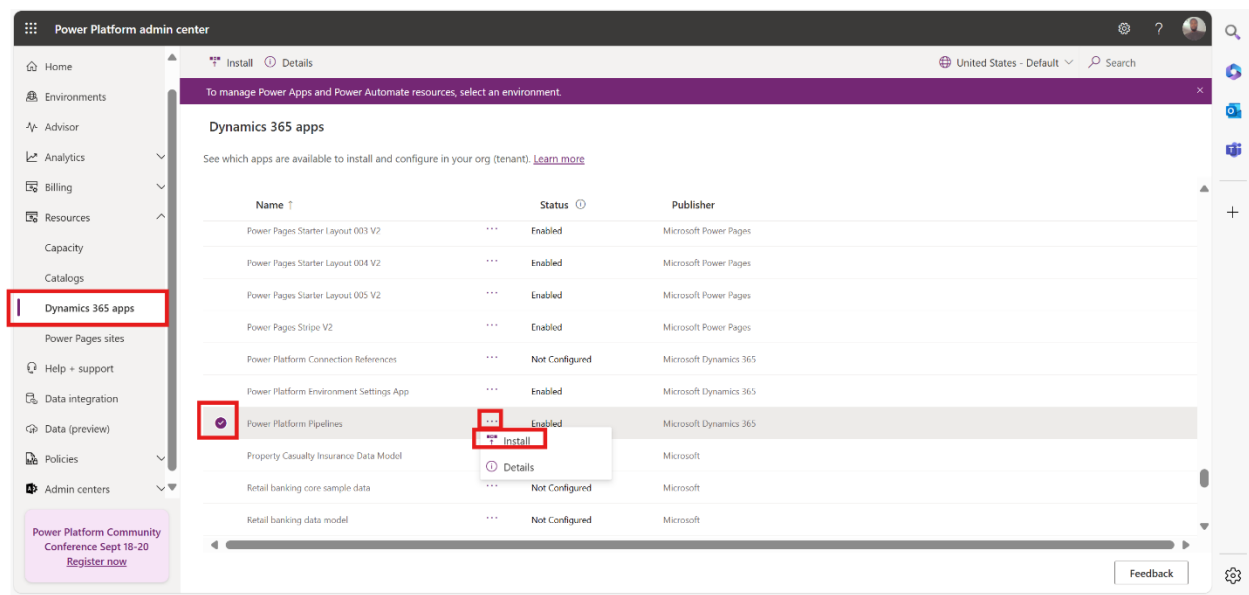
### STEP 3

Once it's loaded expand Resources, and click on Dynamics 365 apps



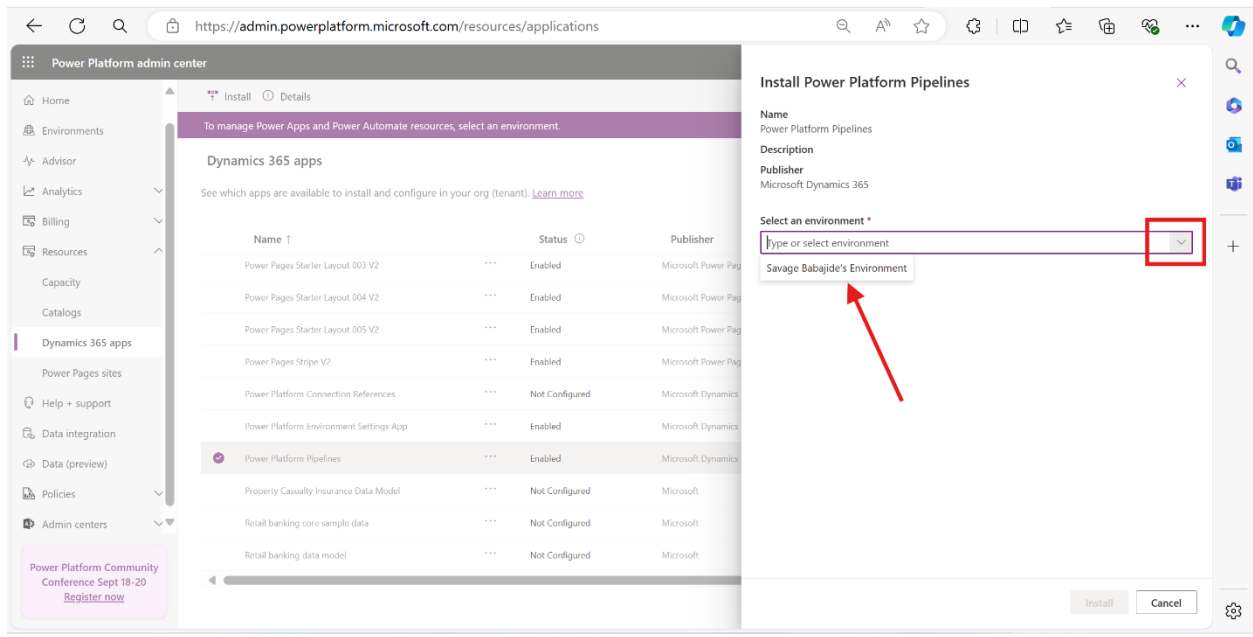
### STEP 4

Search for Power Platform Pipelines, Select it and click on the install button



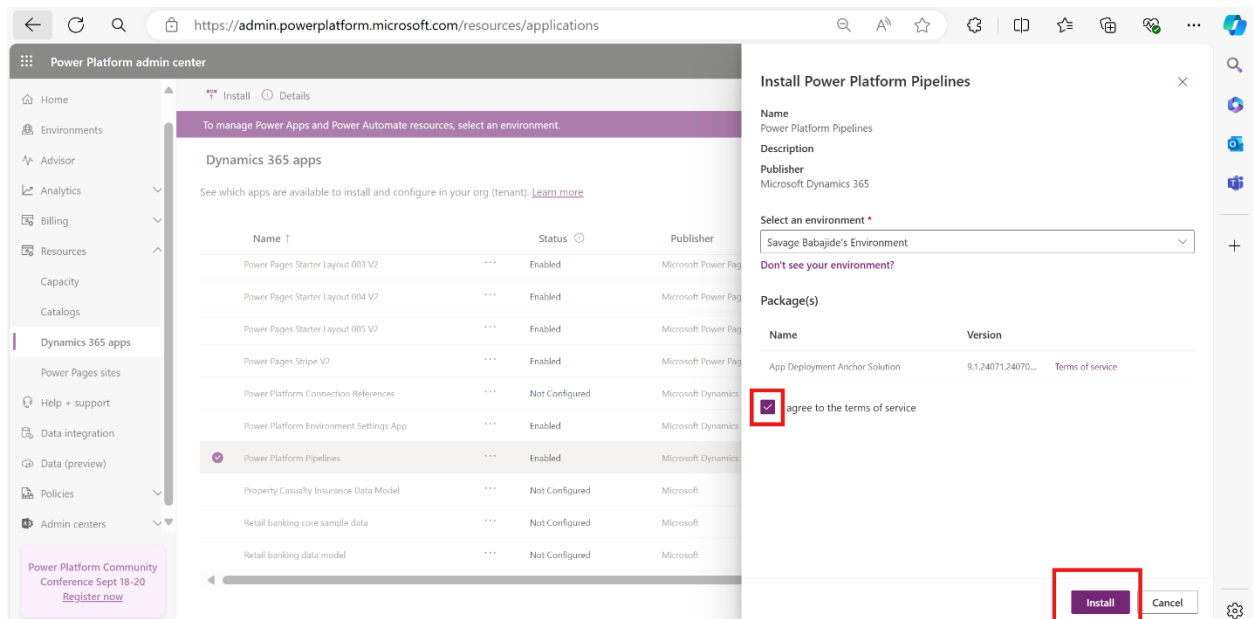
## STEP 5

On the right pane, select the environment you want to install it.



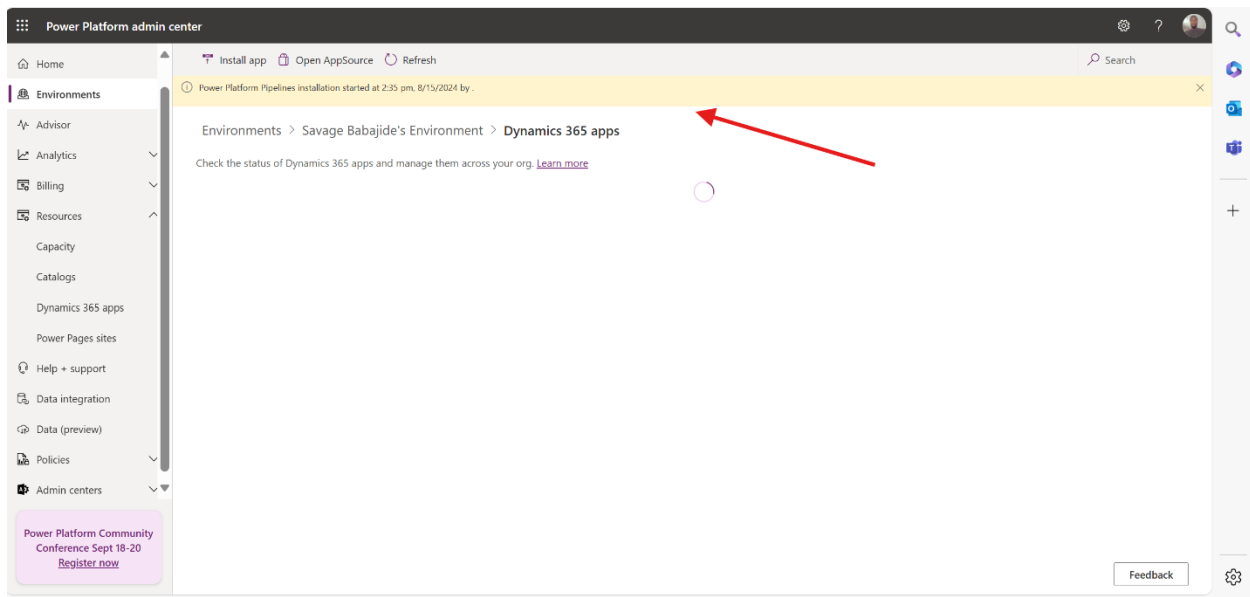
## STEP 6

Agree on the terms and click Install



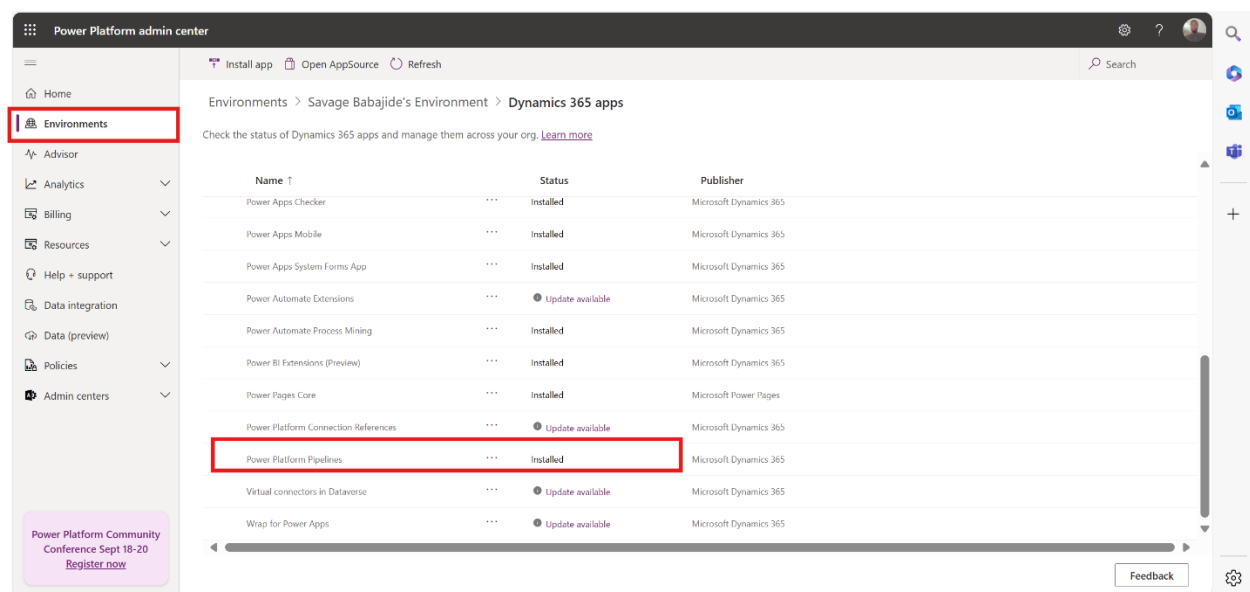
## STEP 7

It takes a couple of minute to install, so give it some minutes.



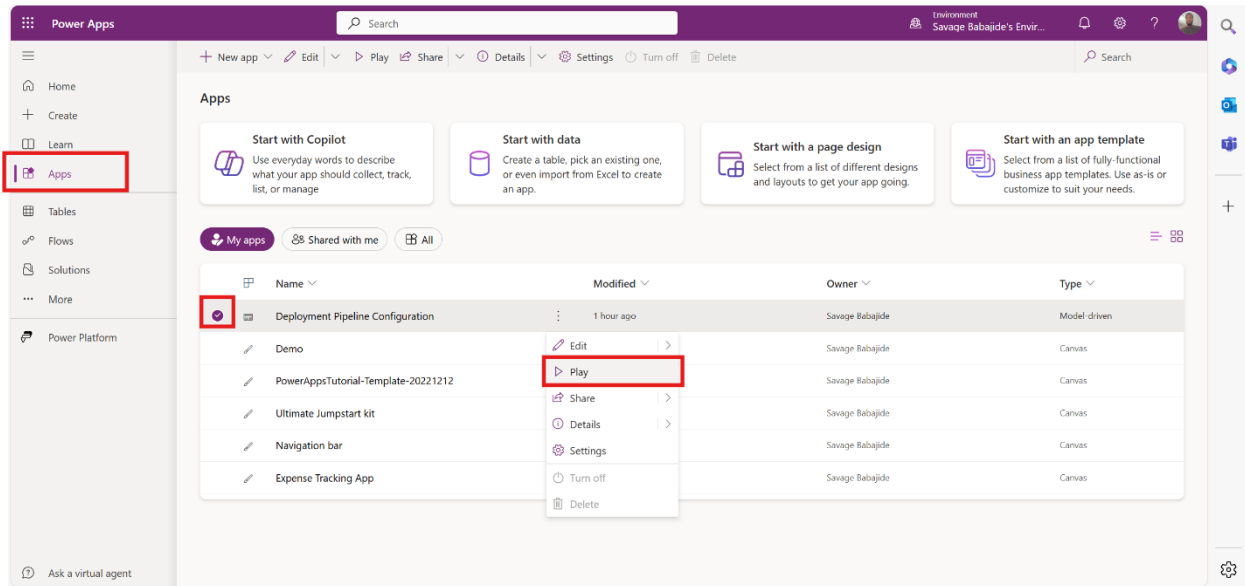
## STEP 8

After installing, go back to the power platform environment, Now the Status is Installed.



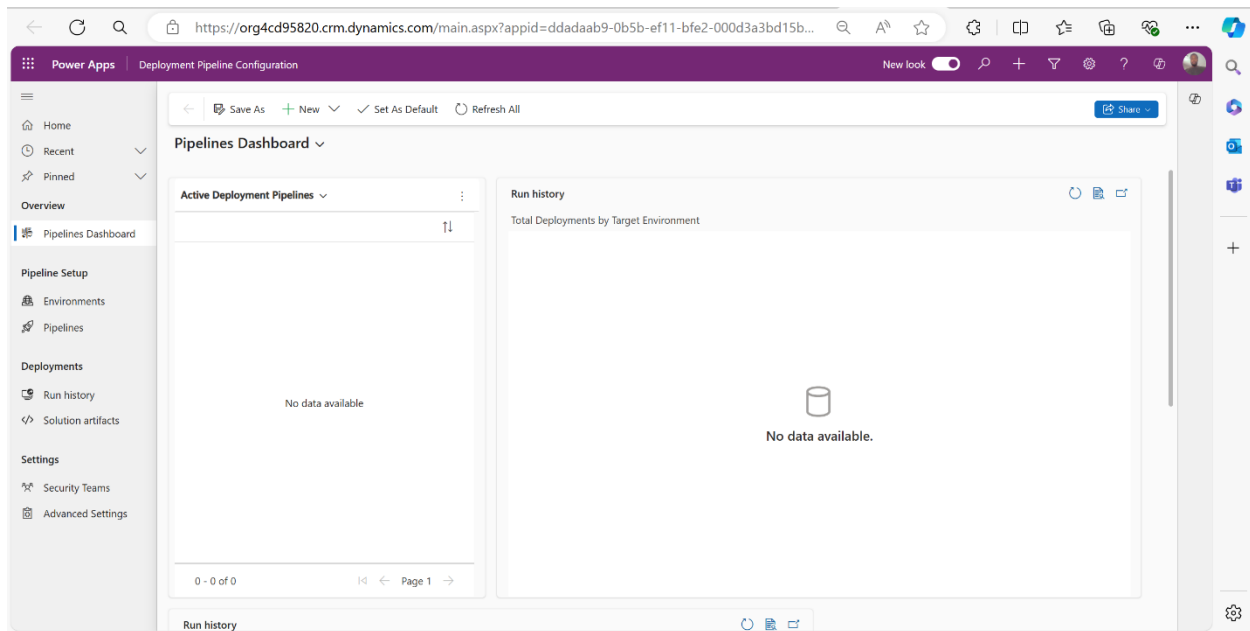
## STEP 9

Navigate to **Apps**, you'll see the Pipeline deployment App, click on the App and play it



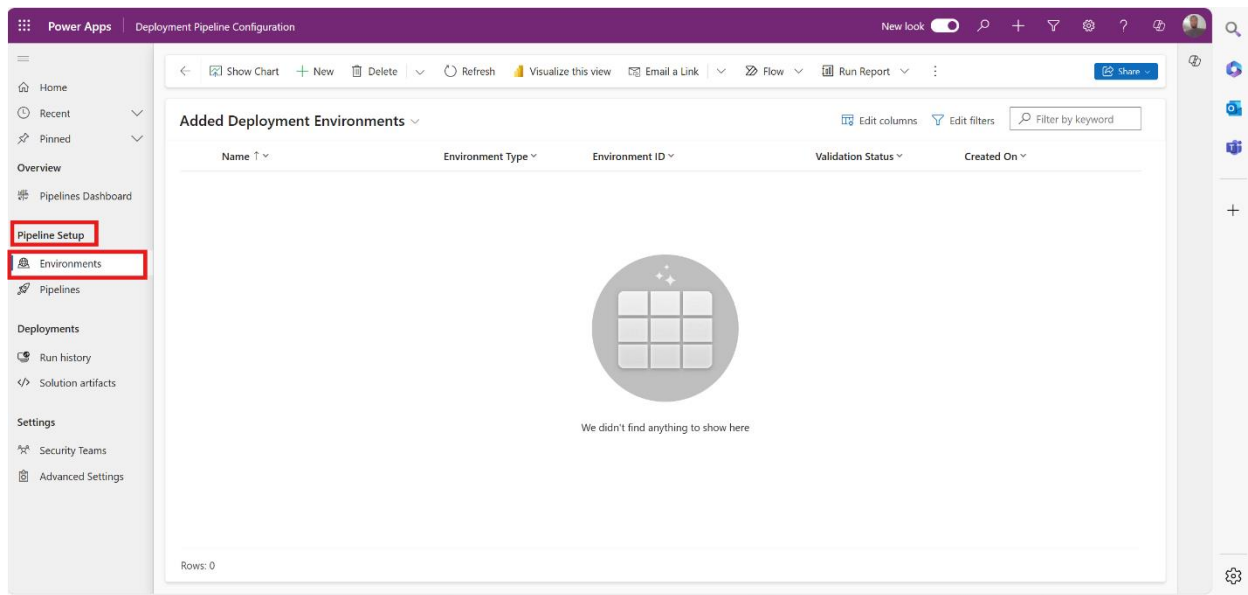
## STEP 10

When you get into the App, you will see an empty dashboard, this is because we haven't configured the App.



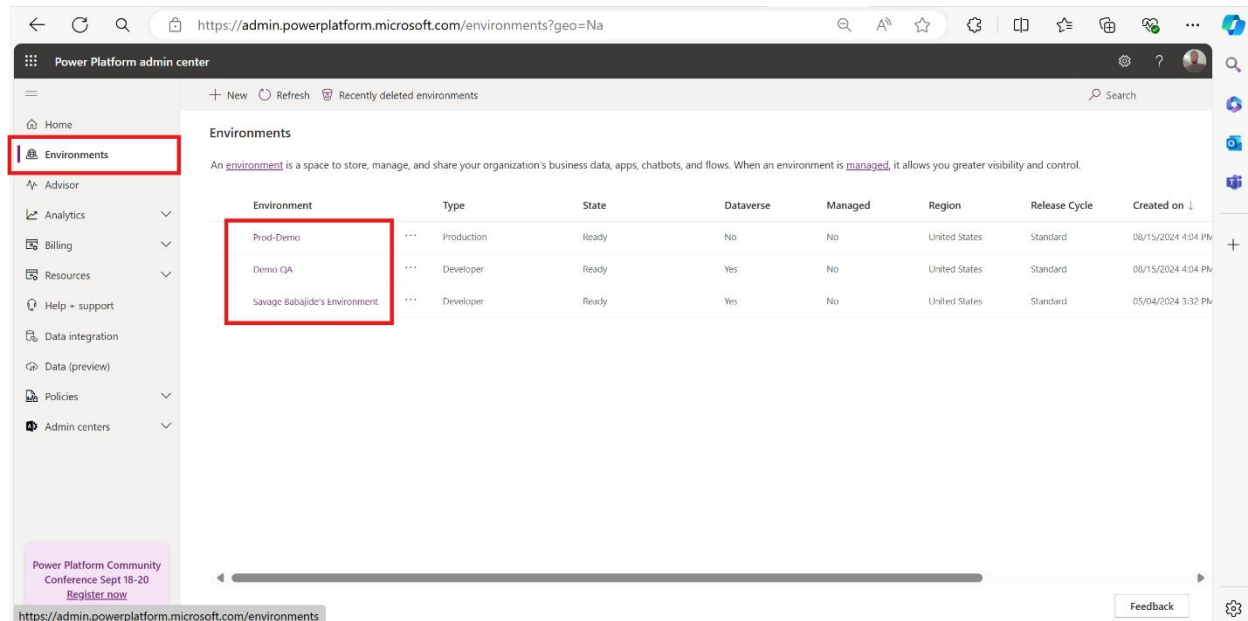
## STEP 11

Navigate to the **Pipeline Setup** section and click on **Environments**



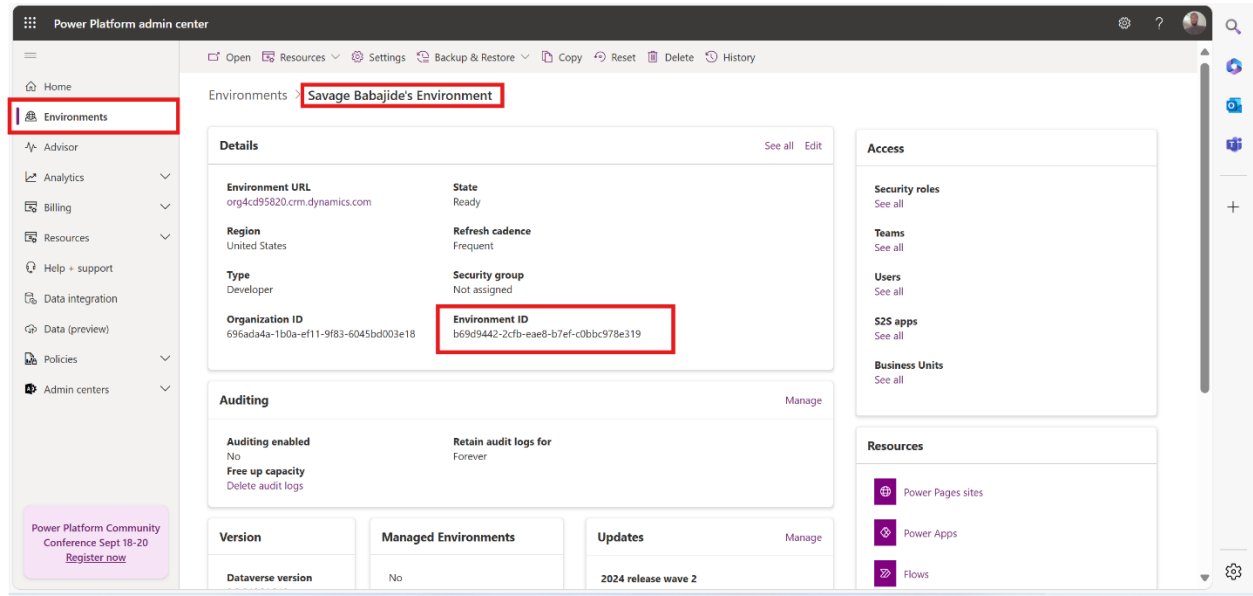
## STEP 12

The Environment will still be empty by default because we are yet to register our environments. To register the Environments, we have to Navigate to the Power Platform Admin center, click on Environments



## STEP 13

Click on one of the Environments and this Information page open's up, we have to get Environment Name, Environment type and Environment ID, in other for us to be able to register the Environment in the deployment pipeline app.



## STEP 14

These are the Information's for all the Environment we are to register on the Deployment App.

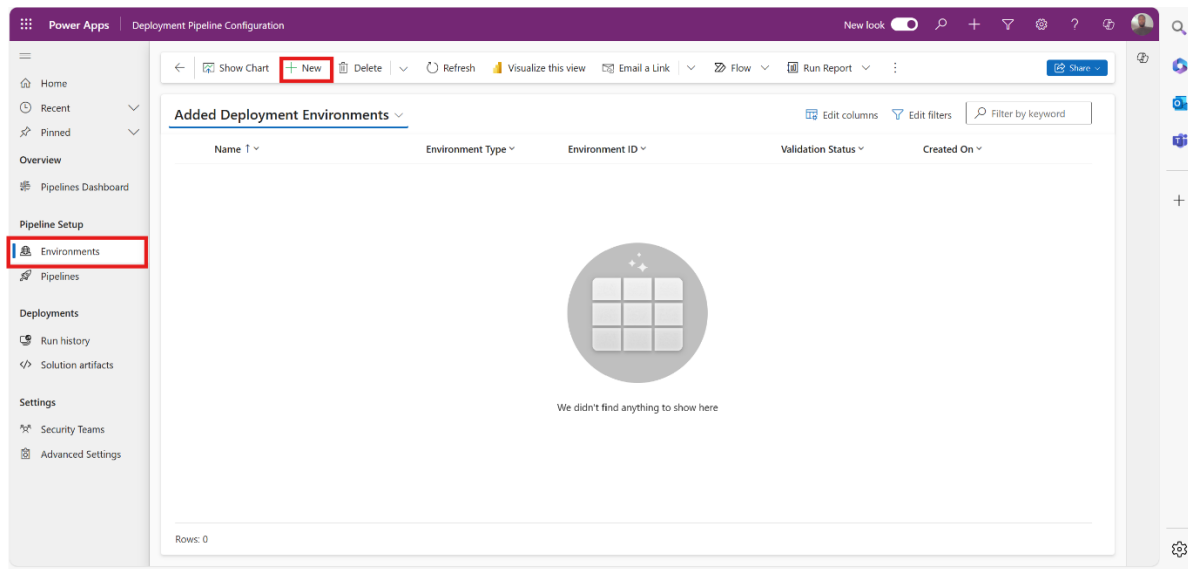
```
Environment Name: Savage Babajide's Environment
Environment Type: Development
Environment ID: b69d9442-2cfb-eae8-b7ef-c0bbc978e319
```

```
Environment Name: Demo QA
Environment Type: Development
Environment ID: bb9cb149-5686-ec34-b40e-54202e24b80c
```

```
Environment Name: Prod-Demo
Environment Type: Production
Environment ID: 1a09dcde-1cc8-e71f-a4dc-731dab100415
```

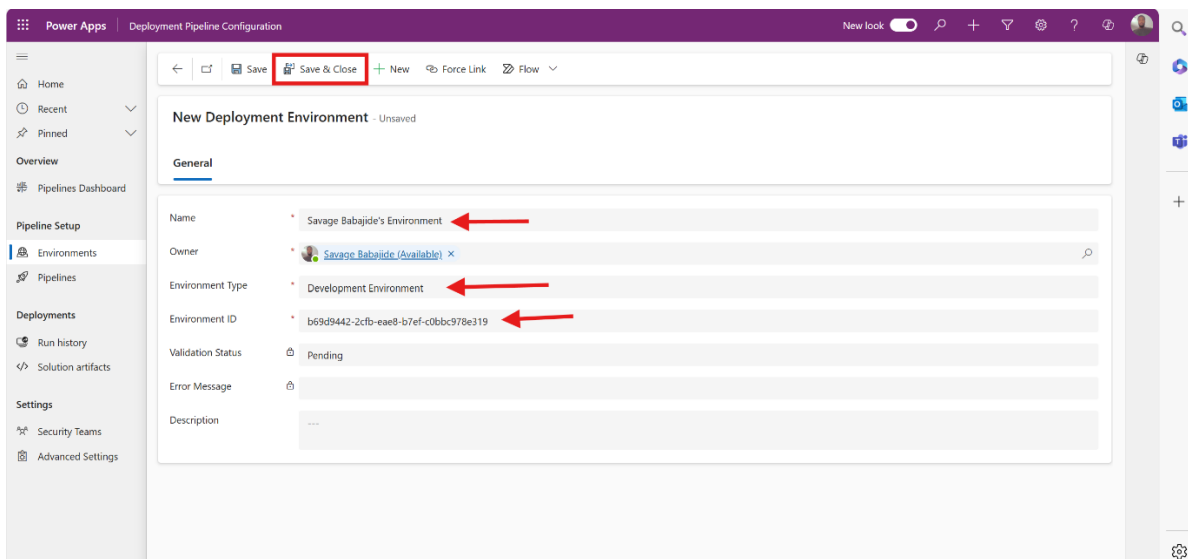
## STEP 15

Go back into the Deployment application, click on Environments, and click on New



## STEP 16

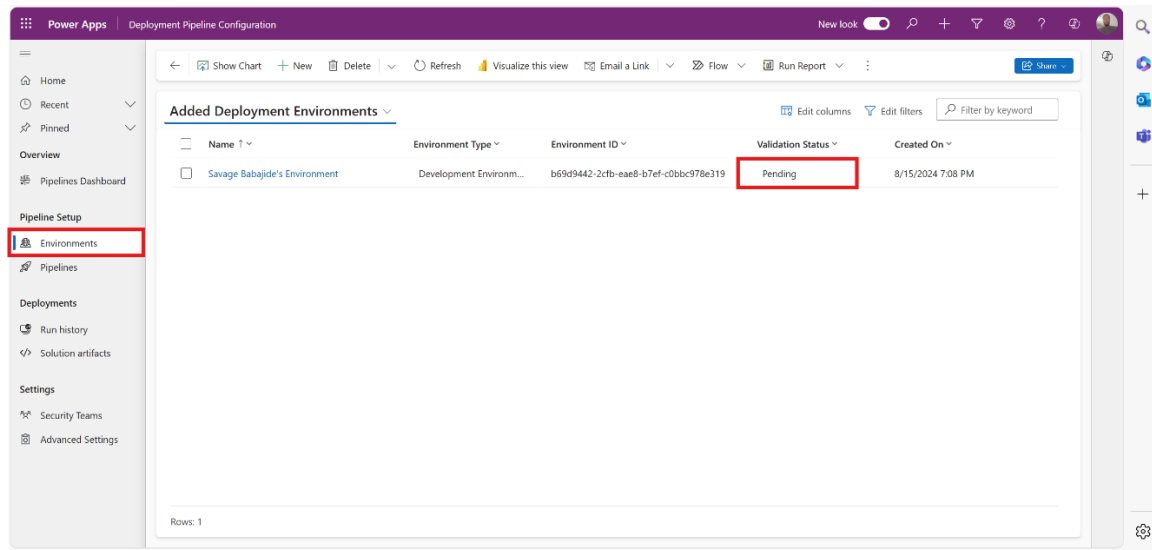
Fill in the **Environment Name**. For the **Environment Type**, if it's a development or test environment, then you have to select Development Environment, but if it's a production Environment, then you select **Target Environment**. Fill in the **Environment ID** then click on **Save & Close** button.





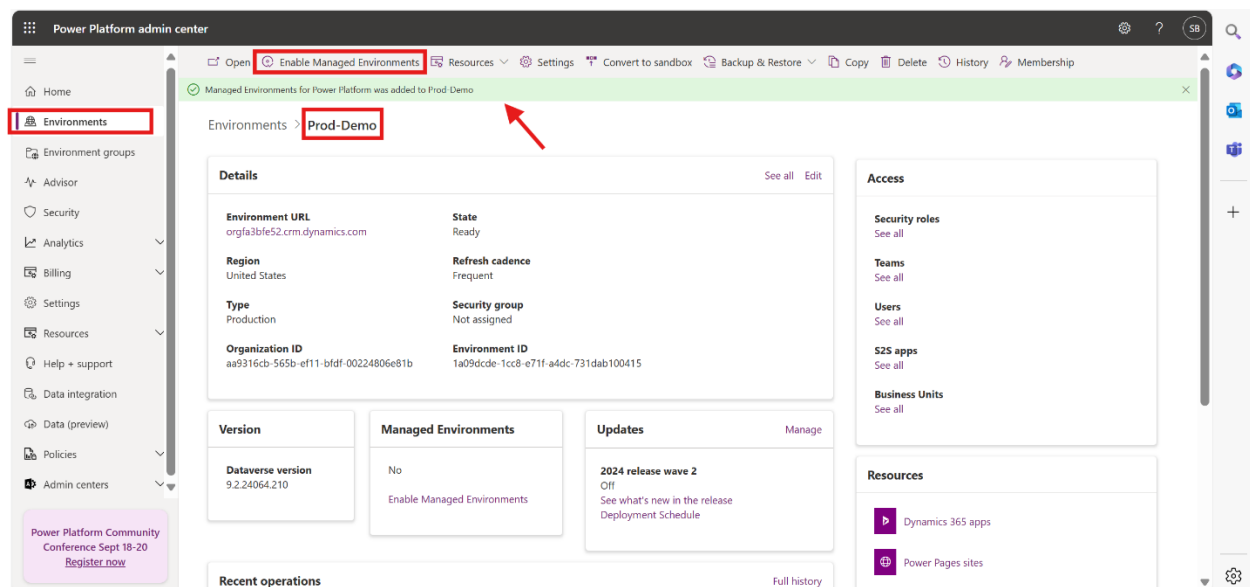
## STEP 17

After hitting the **Save & Close** button, you'll get this view, please take note of the **Validation Status**, when its fully ready it'll change from **Pending** to **Success**



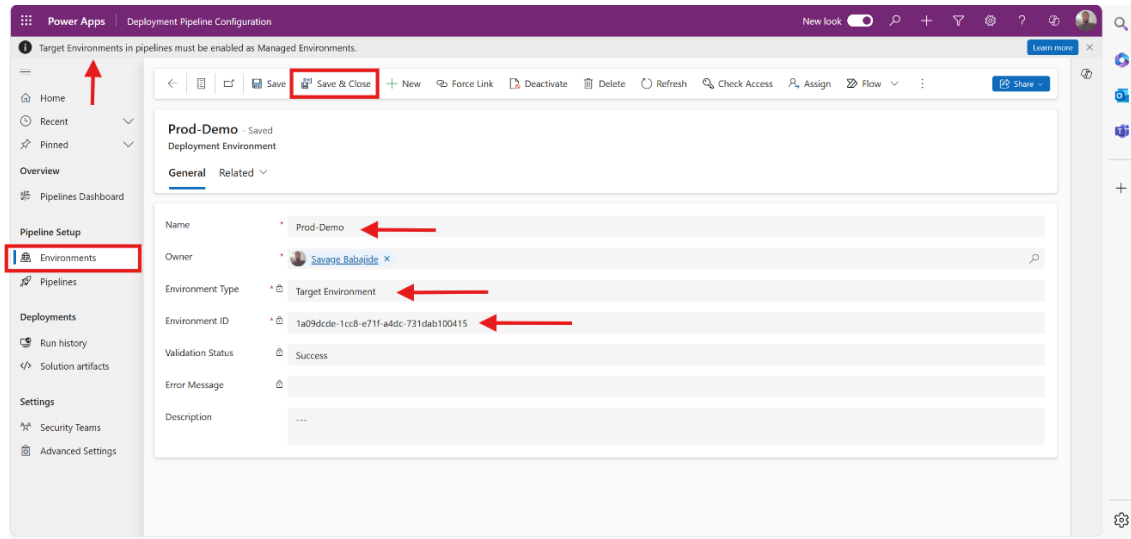
## STEP 18

Before you can be able to register the Production environment on the Deployment app, the Production environment must be a managed environment, Navigate to Environment in the Admin center, select the Production environment and select **Enable Managed Environments**



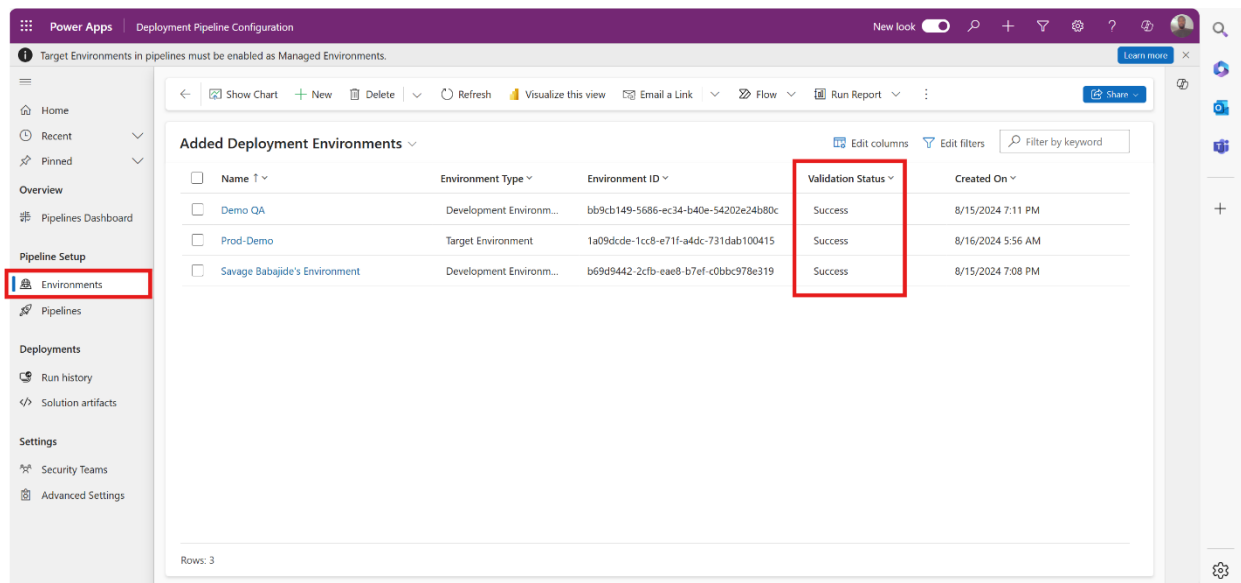
## STEP 19

After making the Production Environment a Managed environment, then proceed to the Deployment app, click on Environment, click on New and put in the Information for the Production Environment. All production Environment has to be registered as **Target Environment**, hit the **Save & Close** button.



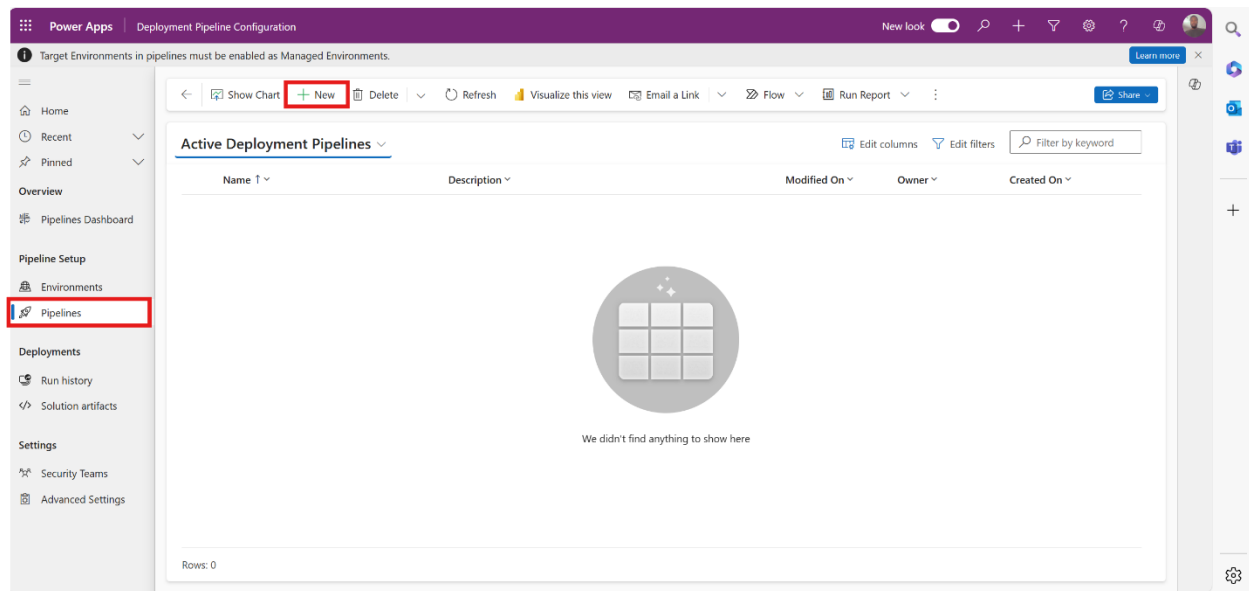
## STEP 20

Now we have all our Environments registered on the Deployment application, and the validation status is **Success**.



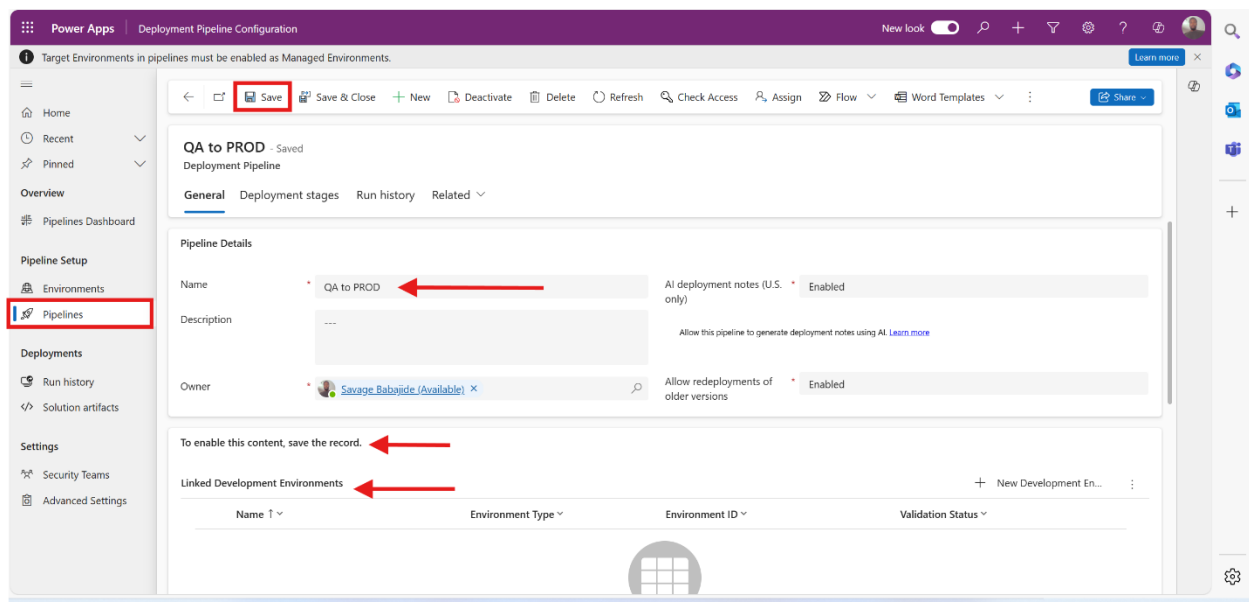
## STEP 21

We need to do our Pipeline setup, Click on Pipeline, and click on New



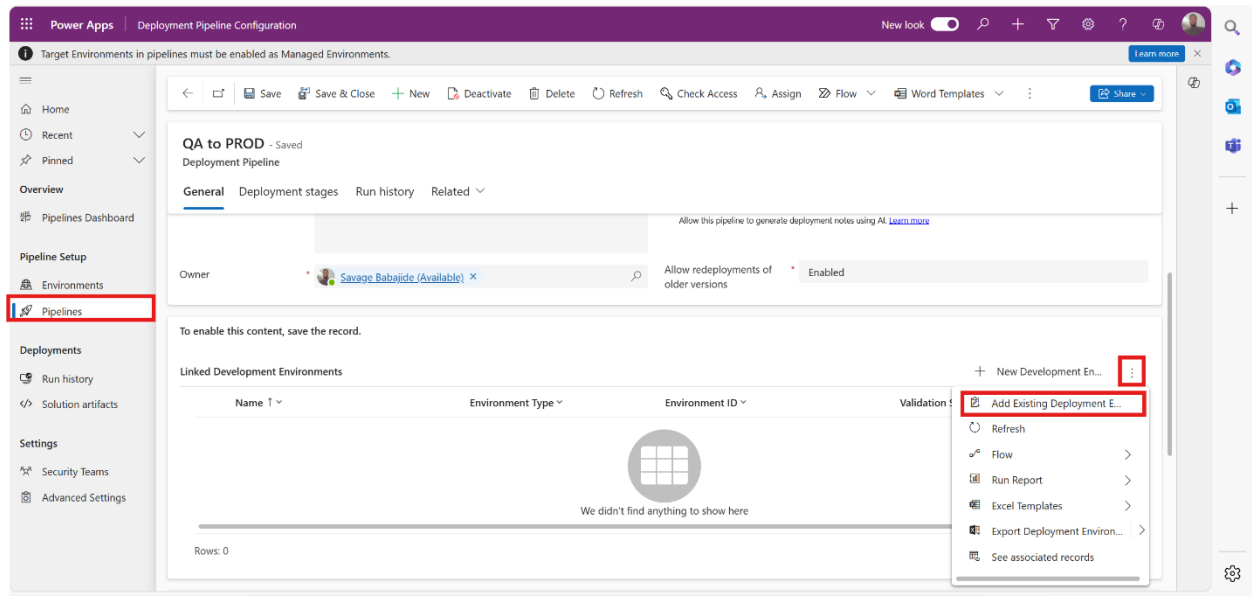
## STEP 22

Fill the Name field with the intended Pipeline name, click on Save button, the remaining sections pop-up after hitting the Save button.



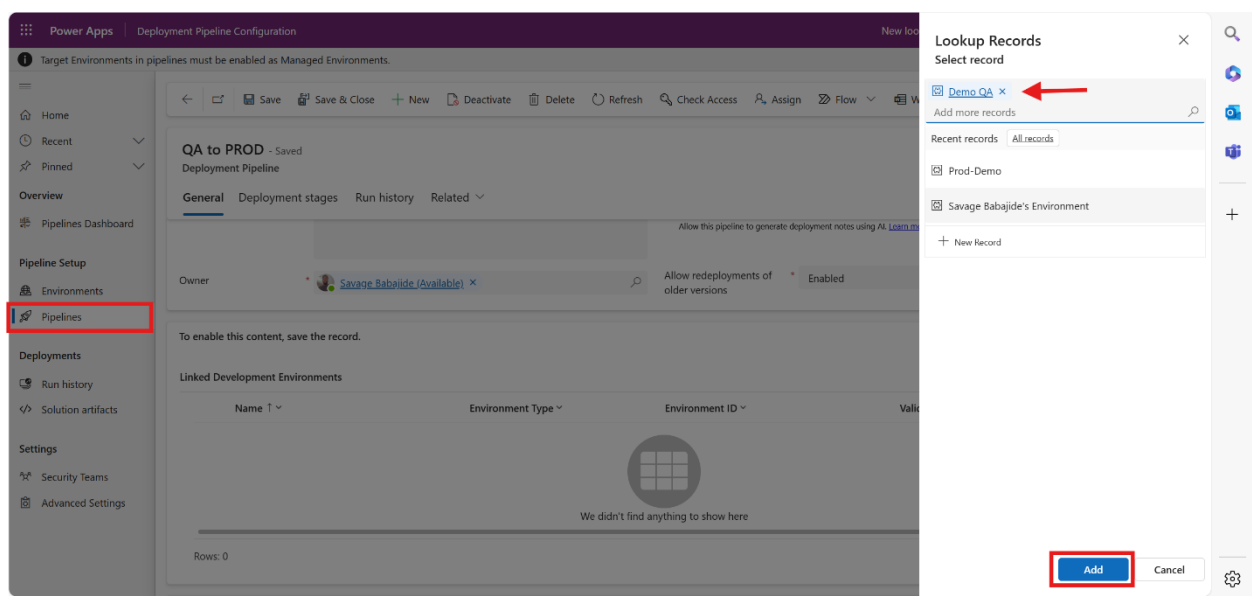
## STEP 23

On the **Linked Development Environments** section, click on the 3 dots to expand and click on Add Existing deployment environment.



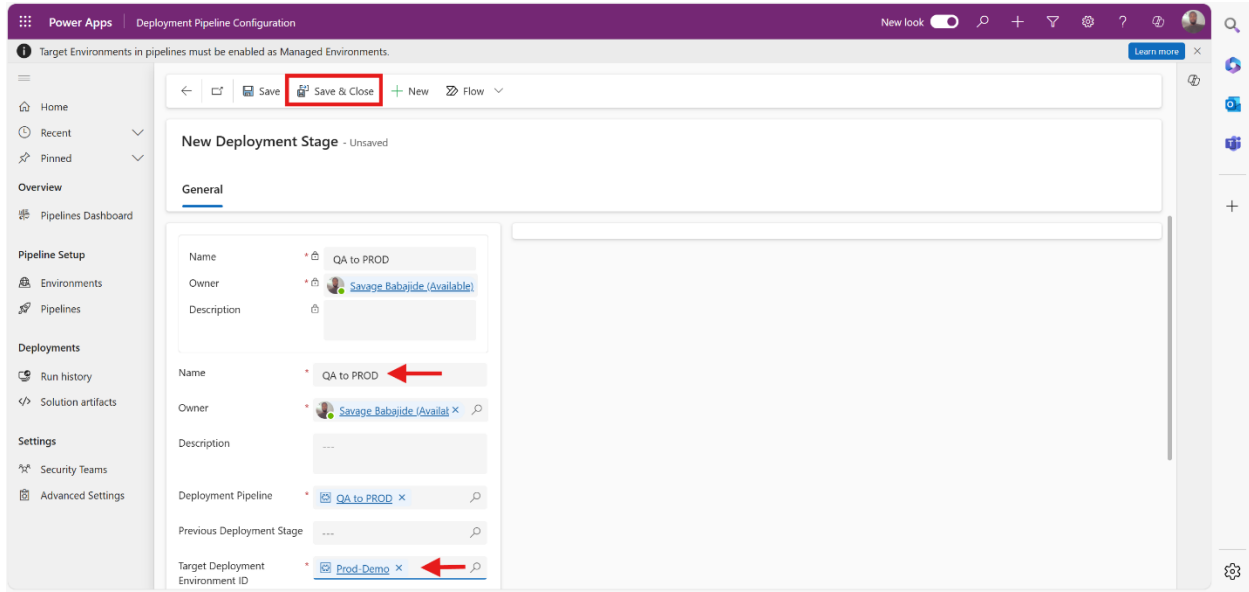
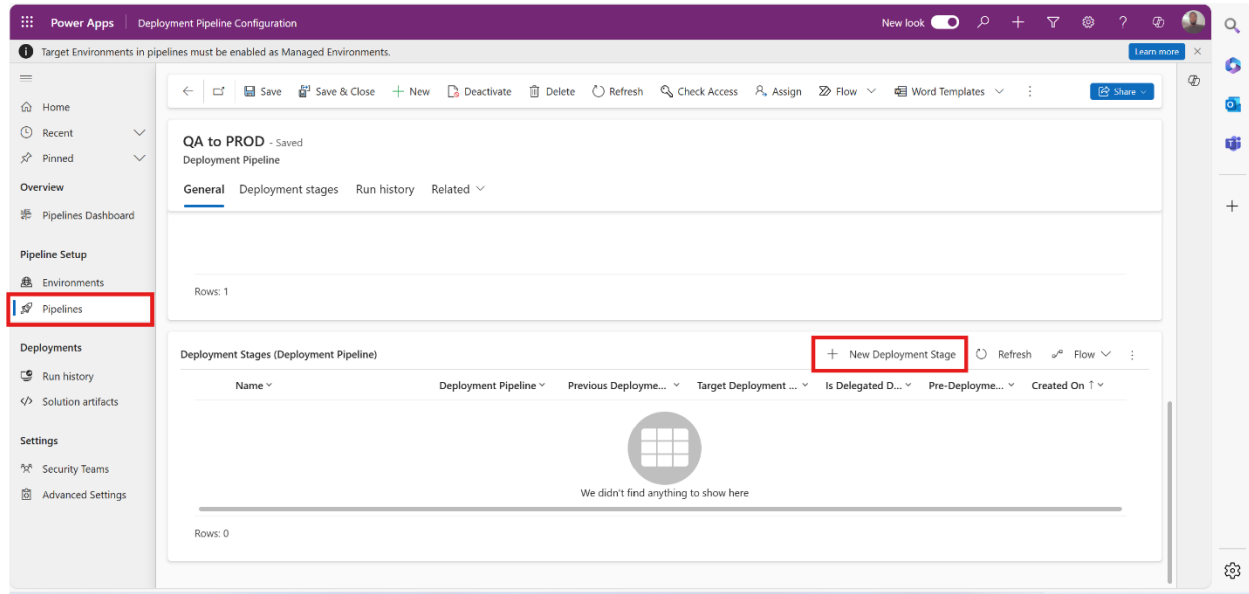
## STEP 24

Select the QA environment and click the **Add** button.



## STEP 25

After that we need to create a deployment stage, click on New Deployment Stage, Fill in the Name field and also select the Production Environment for the Target Environment ID field



## STEP 26

Check to make sure the Validation status for the Linked Development Environment is **Success**.

The screenshot shows the 'Power Apps' interface for 'Deployment Pipeline Configuration'. The left sidebar contains navigation options: Home, Recent, Pinned, Overview, Pipelines Dashboard, Pipeline Setup, Environments, Pipelines, Deployments, Run history, Solution artifacts, Settings, Security Teams, and Advanced Settings. The main area displays the 'QA to PROD' deployment pipeline. The 'General' tab is active, showing a table with columns: Name, Environment Type, Environment ID, and Validation Status. The 'Demo QA' environment is listed with a 'Success' validation status, which is highlighted by a red box. Below this, the 'Deployment Stages (Deployment Pipeline)' section shows a table with columns: Name, Deployment Pipeline, Previous Deployment, Target Deployment, Is Delegated, Pre-Deployment, and Created On. The 'QA to PROD' stage is listed, and a red arrow points to it.

| Name    | Environment Type        | Environment ID                       | Validation Status |
|---------|-------------------------|--------------------------------------|-------------------|
| Demo QA | Development Environment | bb9cb149-5686-ec34-b40e-54202e24b80c | Success           |

| Name       | Deployment Pipeline | Previous Deployment | Target Deployment | Is Delegated | Pre-Deployment | Created On         |
|------------|---------------------|---------------------|-------------------|--------------|----------------|--------------------|
| QA to PROD | QA to PROD          |                     | Prod-Demo         | No           | No             | 8/16/2024 6:55 ... |

## STEP 27

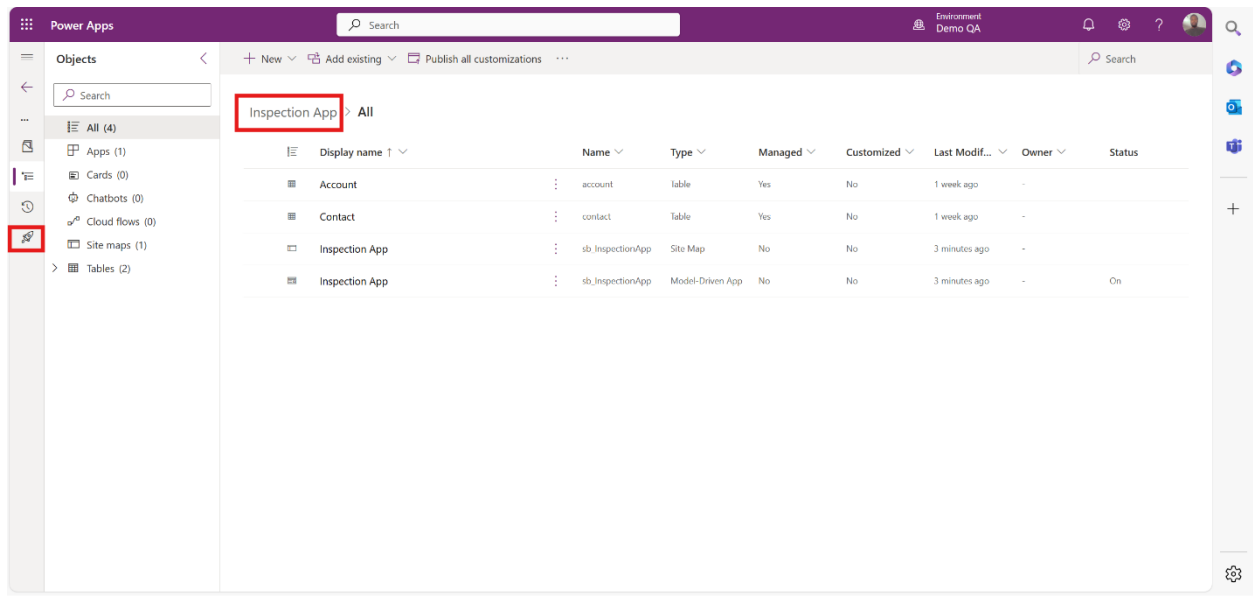
Let's move over to Powerapps portal, click on solution and all the solutions you have in your environment will come up, we are deploying on the **Inspection App** solution, so that only will be our concern.

The screenshot shows the 'Power Apps' interface for 'Solutions'. The left sidebar contains navigation options: Home, Create, Learn, Apps, Tables, Flows, Solutions, More, and Power Platform. The main area displays the 'Solutions' section. A 'Set your preferred solution' dialog box is open, showing 'Common Data Services Default Solution' as the current preferred solution. Below this, there are tabs for 'Unmanaged', 'Managed', and 'All'. The 'Inspection App' solution is highlighted with a red arrow. The table below shows a list of solutions with columns: Display name, Name, Created, Version, Publisher, and Solution check.

| Display name                | Name          | Created       | Version | Publisher                    | Solution check             |
|-----------------------------|---------------|---------------|---------|------------------------------|----------------------------|
| Inspection App              | InspectionApp | 7 minutes ago | 1.0.0.0 | Savage, Babajide             | Hasn't been run            |
| Common Data Services Def... | Crd27b        | 1 week ago    | 1.0.0.0 | CDS Default Publisher        | Hasn't been run            |
| Default Solution            | Default       | 1 week ago    | 1.0     | Default Publisher for org... | Not supported for analysis |

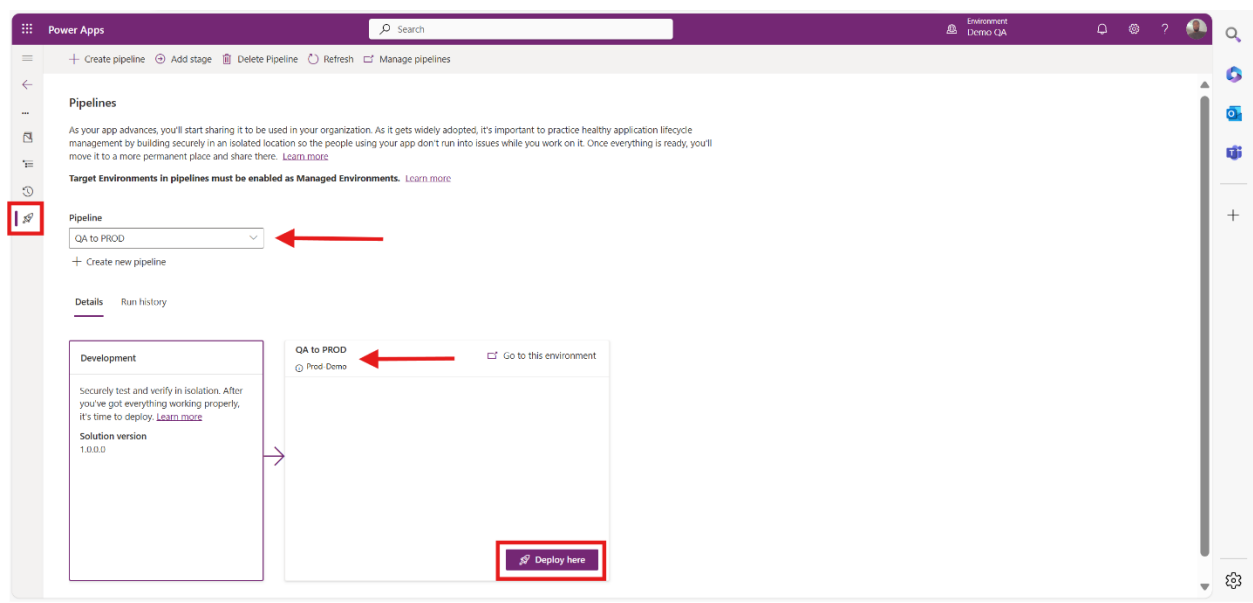
## STEP 28

Open up the solution you want to deploy and click on the pipeline icon.



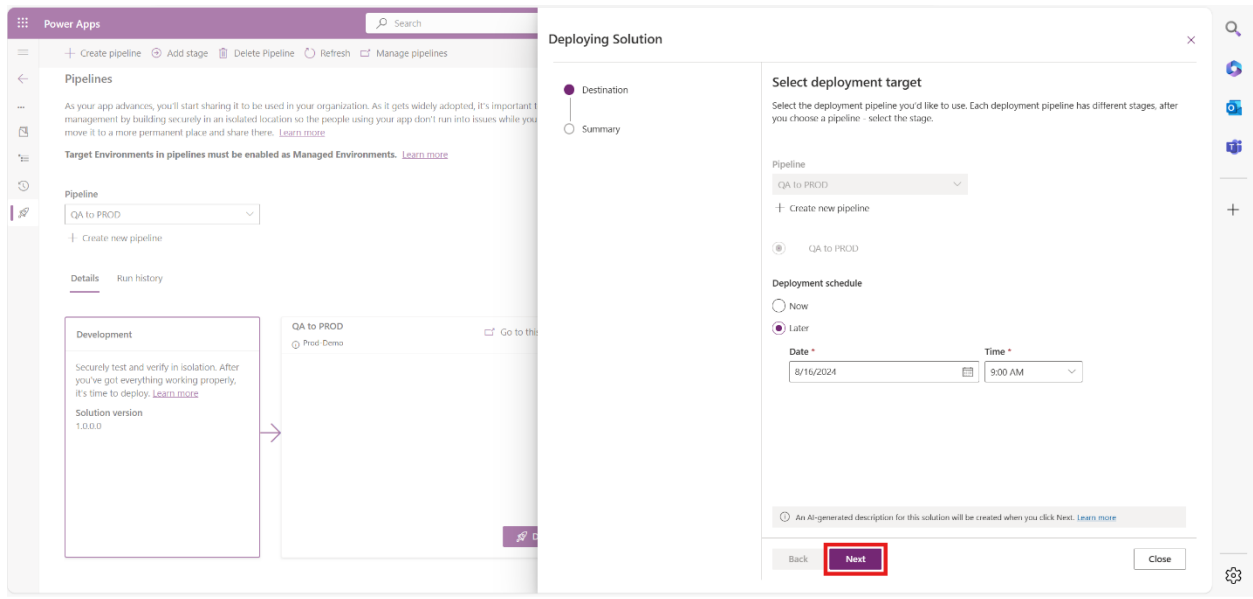
## STEP 29

Now we have the Pipeline we created in the Deployment app, click on the **Deploy here** button.



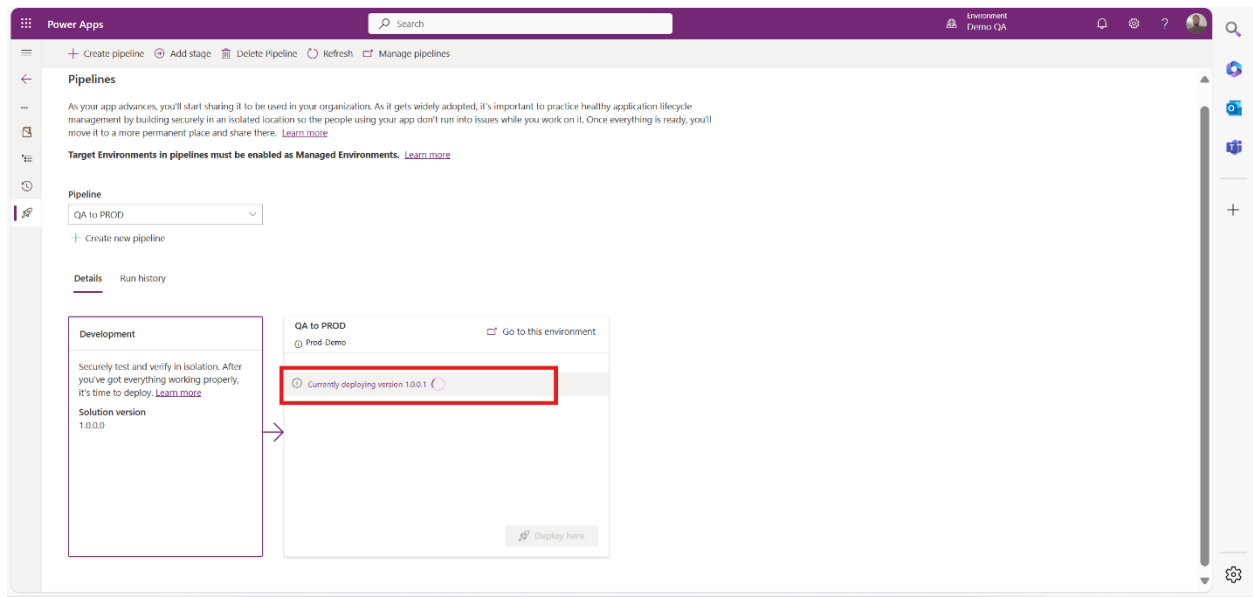
## STEP 30

We have the opportunity of running the Pipeline now or Scheduling for later, select Now since we want to run it now and click on the Next button.



## STEP 31

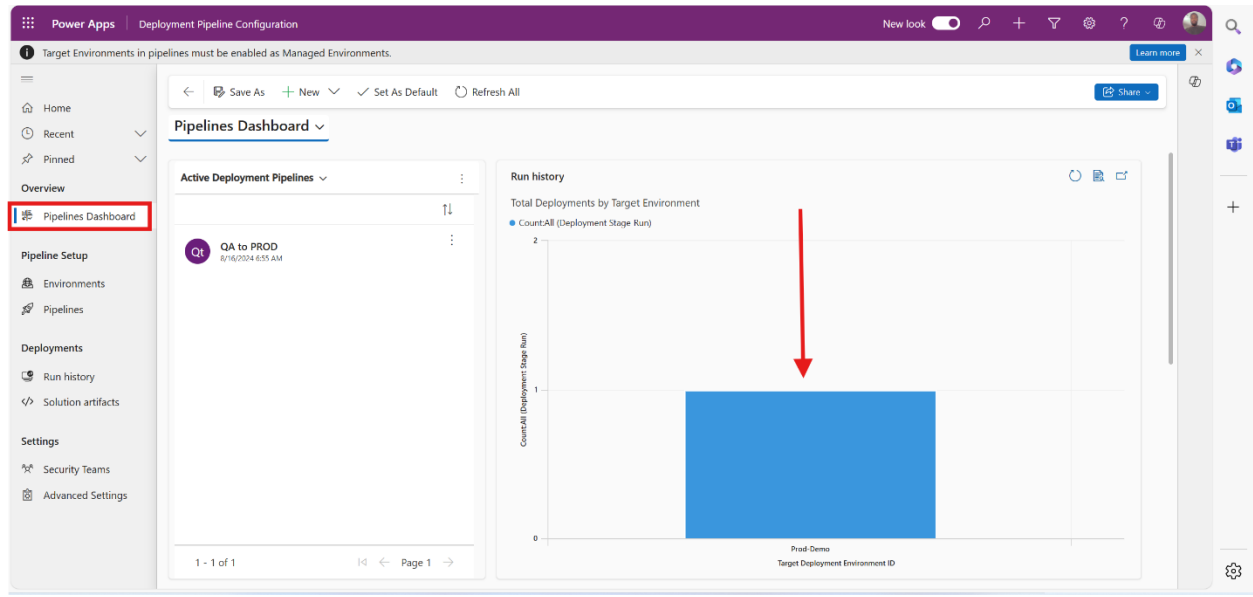
We can see the Deployment process is running already.





## STEP 32

Switch to the Deployment App, click on **Pipelines dashboard** and check Run History, you'll see the status of the deployment.



## STEP 33

Click on **Run History**, you'll see the Pipeline deployment and its status.

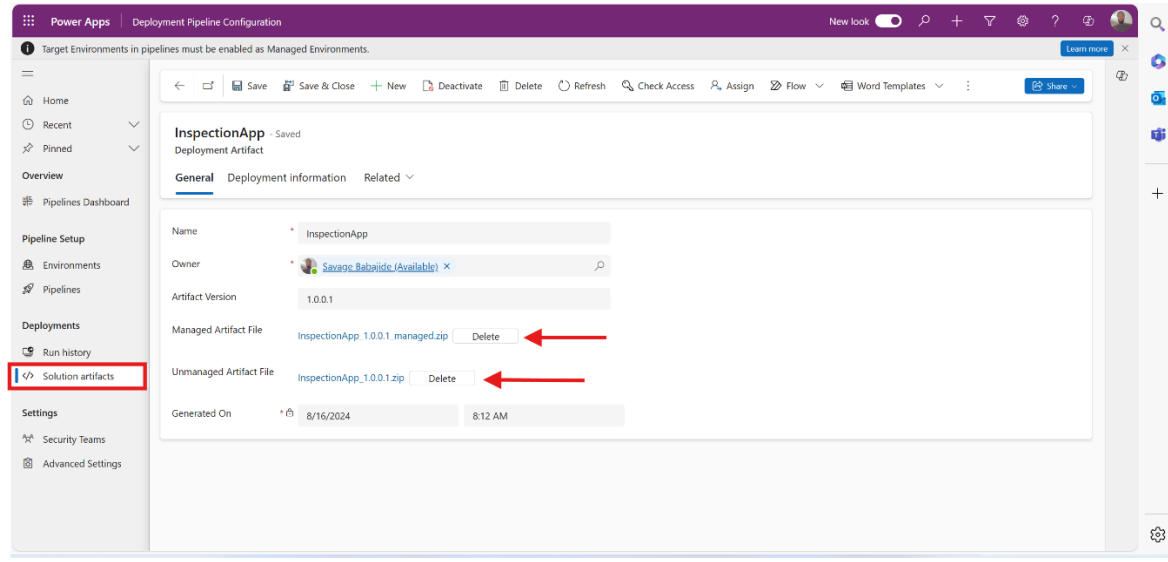
The screenshot shows the Power Apps Deployment Pipeline Configuration interface with the 'Run history' section selected in the sidebar (highlighted with a red box). The 'Run history' table displays the following data:

| Deployment Pipel... | Name (De... | Start Time ↓     | End Time ↓       | Schedule... | Stage Run Status ↓ | Artifact Name ↓ | Solution ... | Target De... | Owner ↓     |
|---------------------|-------------|------------------|------------------|-------------|--------------------|-----------------|--------------|--------------|-------------|
| QA to PROD          | QA to PROD  | 8/16/2024 8:1... | 8/16/2024 8:1... |             | Succeeded          | InspectionApp   | 1.0.0.1      | Prod-Demo    | Savage Baba |

The 'Stage Run Status' column for the first entry is highlighted with a red box. The table also includes options for 'Show As', 'Show Chart', 'Delete', 'Refresh', 'Visualize this view', 'Email a Link', 'Flow', 'Run Report', and 'Share'.

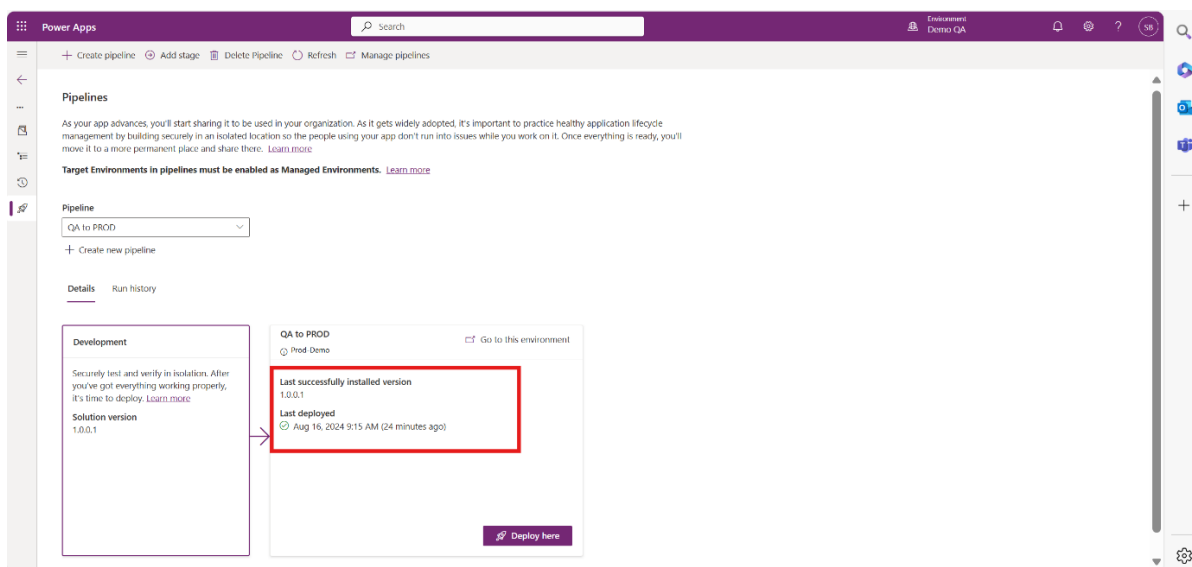
## STEP 34

Click on **Solution Artifacts**, select the solution, we have the zip files for the solution. The production will always be a managed zip file while the development will be Unmanaged.



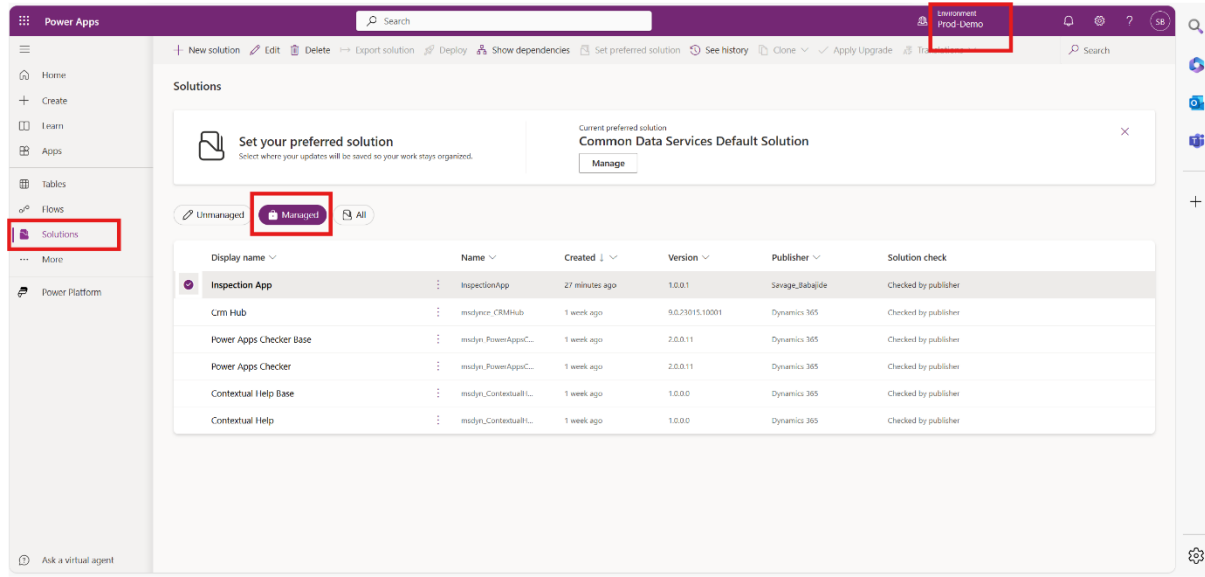
## STEP 35

Since our Pipeline Deployment is Completed and Successful, Let's head over to our Power Apps portal.



## STEP 36

Navigate to the Powerapps Portal and switch the Environment to the Production environment, click on **Solutions**, click on **Managed** and click on the Solution.



## STEP 37

You can inspect the solution and as we can see, everything is complete. Please note that any solution in the production environment will always be a managed solution. **CONGRATULATIONS WE ARE DONE!!!!!!**

