IoT Documentation

Publish The Source Code

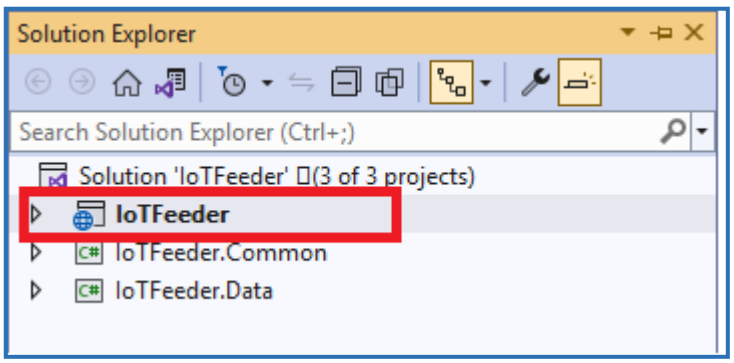
There are three main projects under the IoTFeeder solution.

1. IoTFeeder - admin portal.
2. IoTFeeder.Common - A common library project to manage all common code bases.
3. IoTFeeder.Data - Scheduler for generating random data as required.

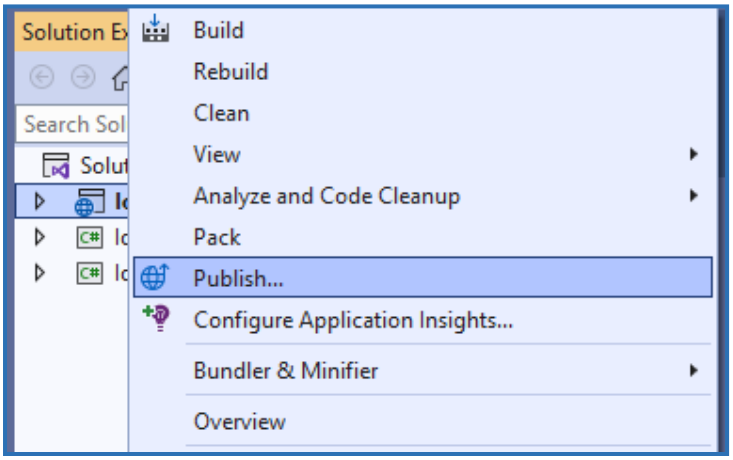
Steps to follow in order to publish the source code.

1. **Publishing Admin Portal source code.**

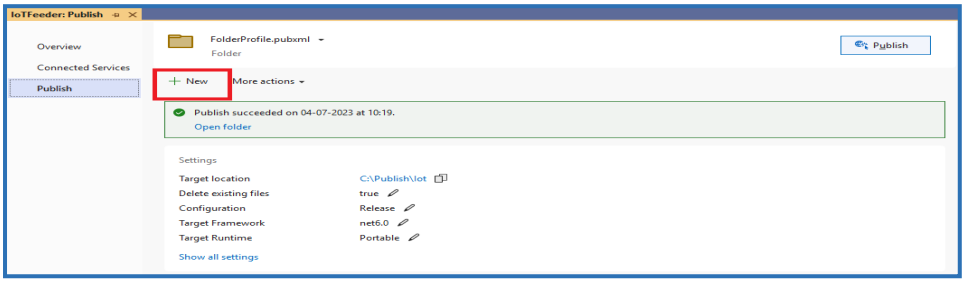
Step – 1, Select **IoTFeeder** as the default project.



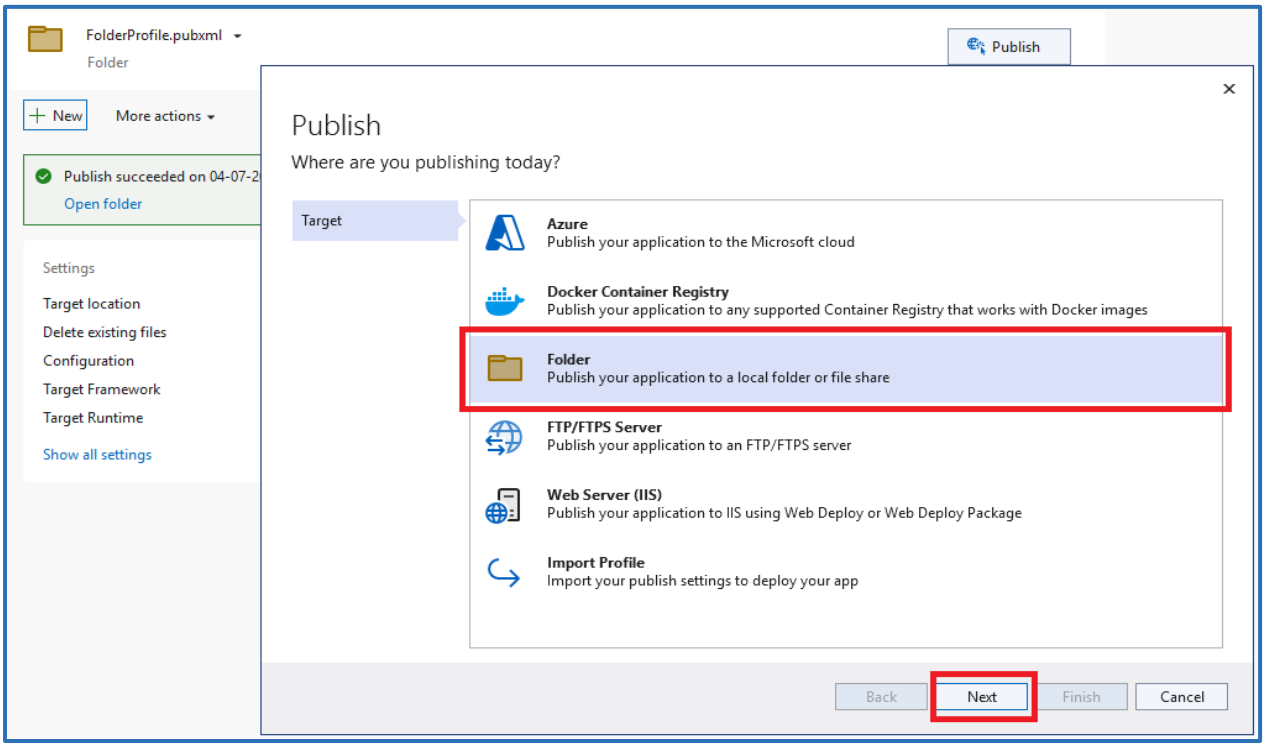
Step – 2, Then right-click over it and select publish.



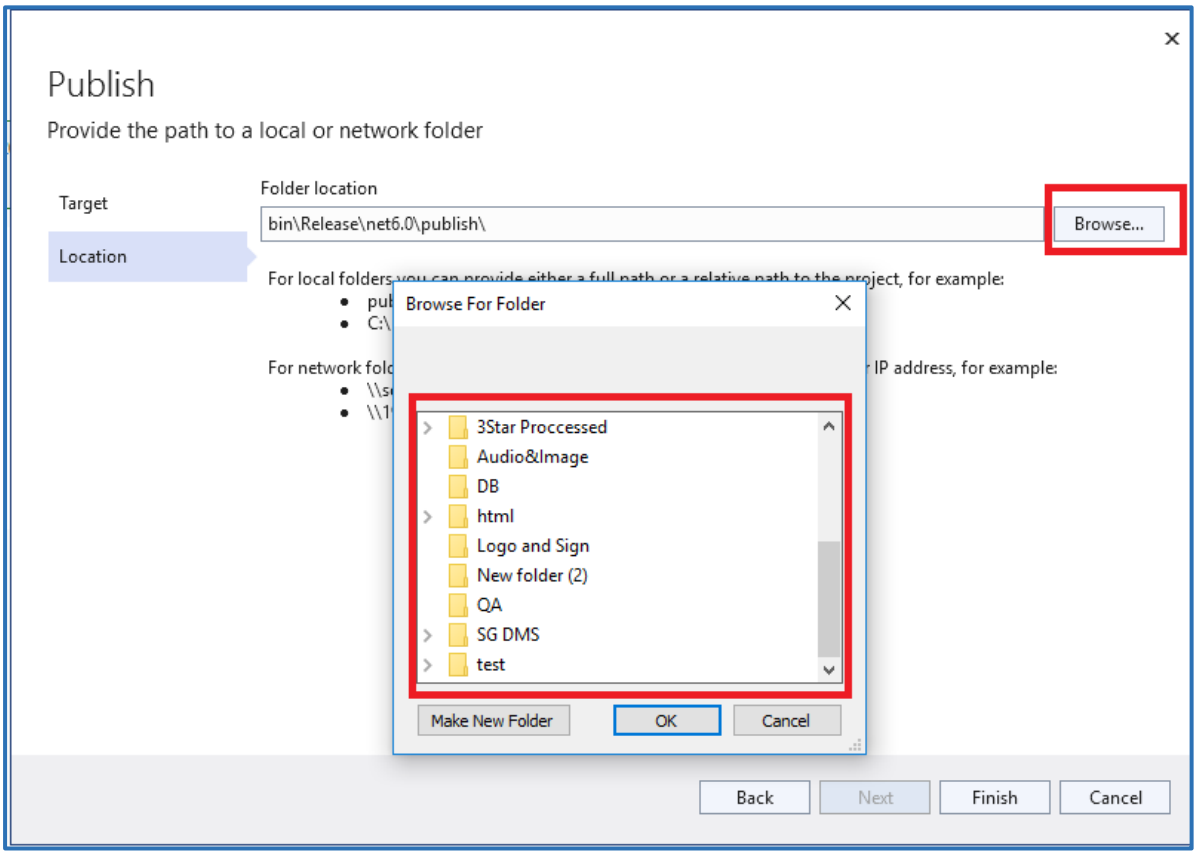
Step – 3, Click on the new button to define the publishing path.



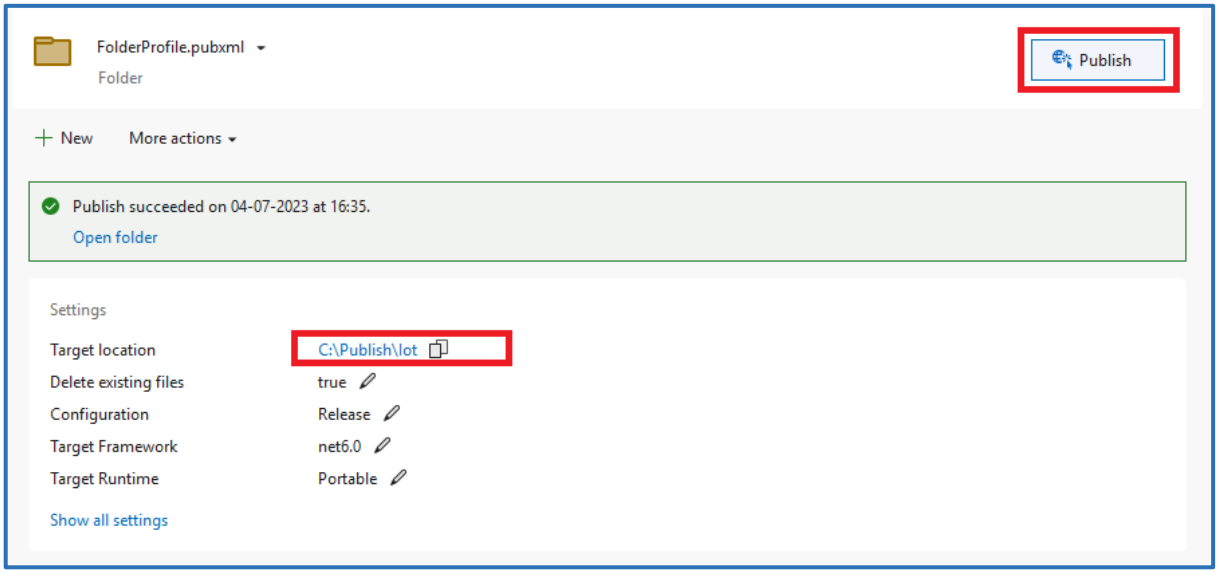
Step – 4, Select the folder and define the publishing path.



Step – 5, Here you have to browse the path for publishing path.

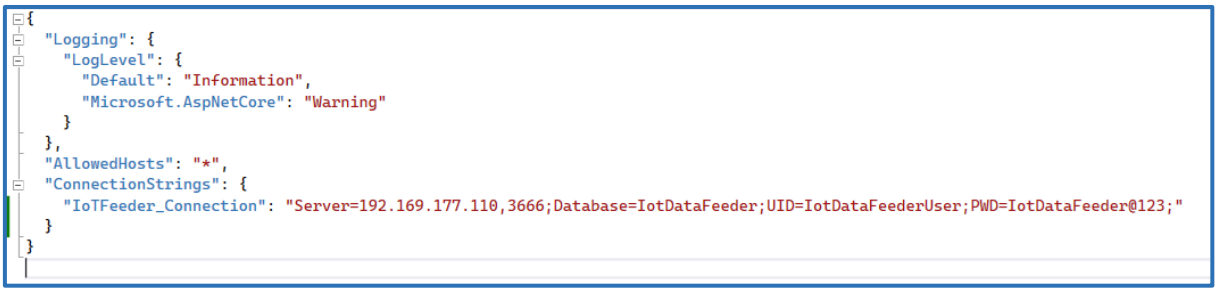


Step – 6, Once the publishing path is set, you must click on publish, which will publish the code. Once published successfully, you have to click on the next button as shown in below image.



IoTFeeder - appsettings.Json

Step – 7, For the database connection string, you have to pass the "**Server IP address**", "**Database**"," **Id**", and" **Password**".



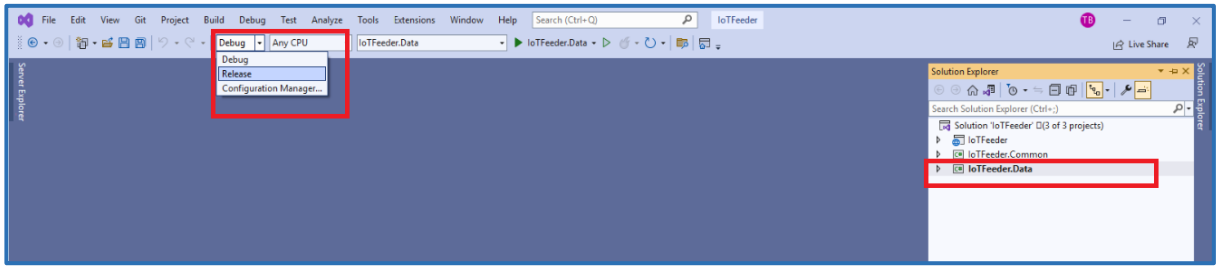
Step – 8, If you have to change the Azure **Kusto URL, Client Id**, **Client Secret, TenantId, or, Database Name** you need to write the Update command.

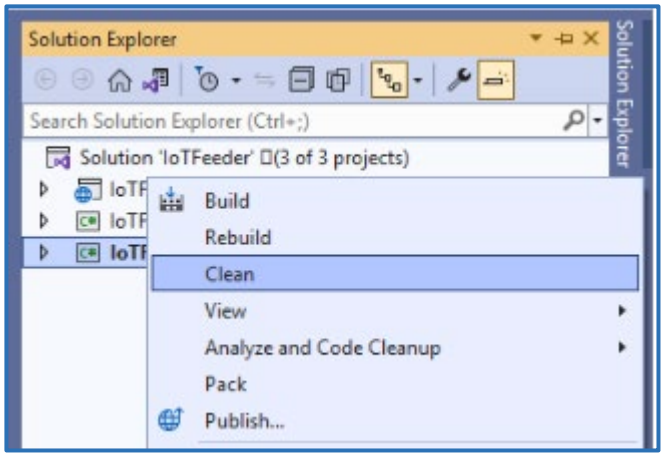
Update CommonSettings set kustoUri = 'new kusto uri'
Update CommonSettings set clientId = 'new client id'
Update CommonSettings set clientSecret = 'new client secret'
Update CommonSettings set databaseName = 'new database name'

```
Update CommonSettings set kustoUri = 'new kusto uri'
Update CommonSettings set clientId = 'new client id'
Update CommonSettings set clientSecret = 'new client secret'
Update CommonSettings set databaseName = 'new database name'
```

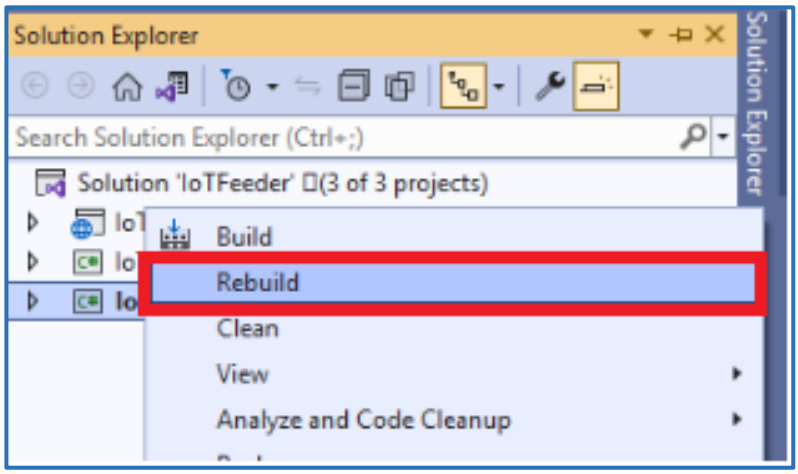
2. Steps to follow in order to publish the source code of Scheduler.

Step – 1, Select **Release,** then right-click on **IoTFeeder.Data** and click on **Clean.**





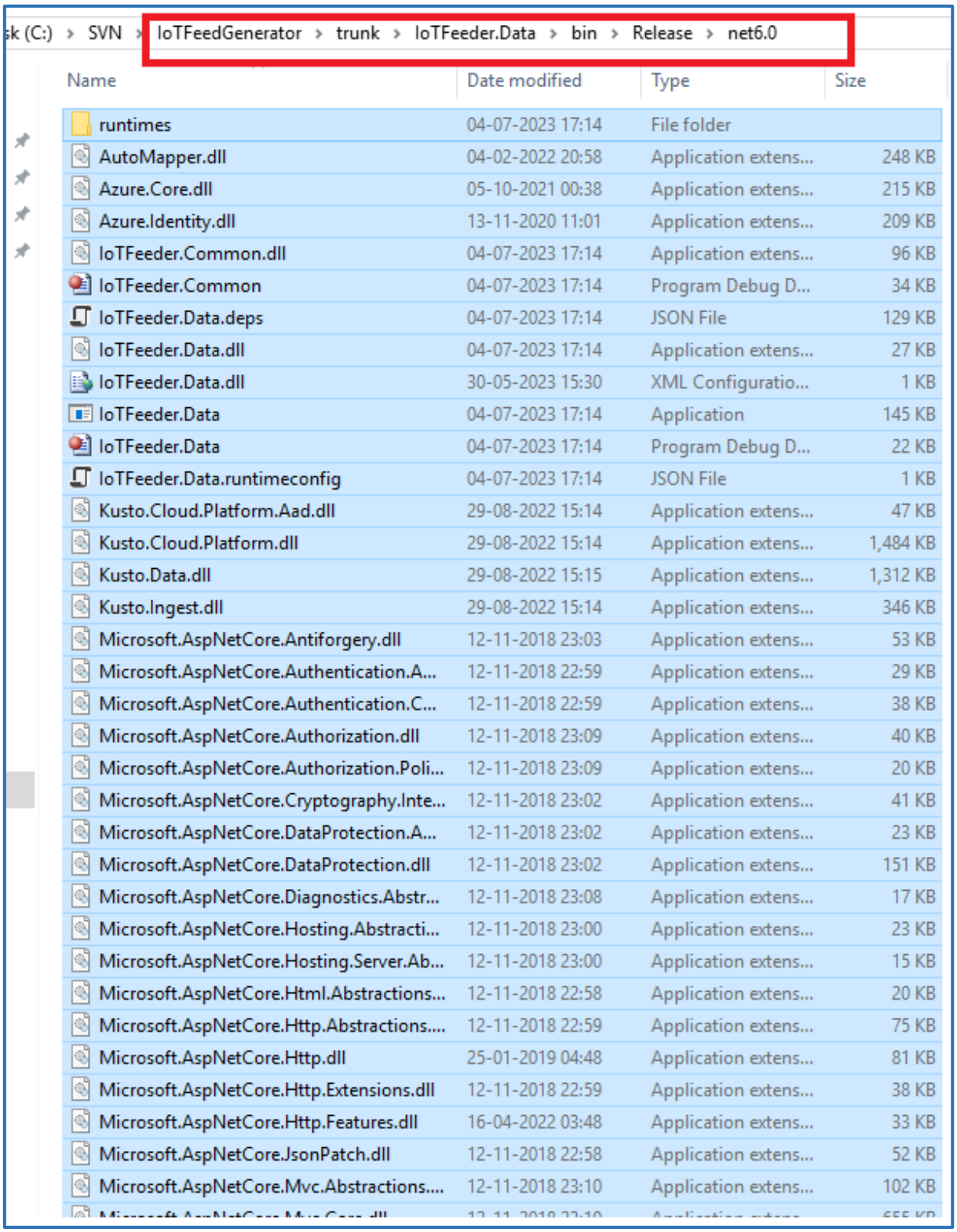
Step – 2, Then again, right-click on **IoTFeeder.Data** and click on **Rebuild** as shown in the below image.



Step – 3, Then again right-click on **IoTFeeder.Data** and click on **Open Folder in file explorer.**

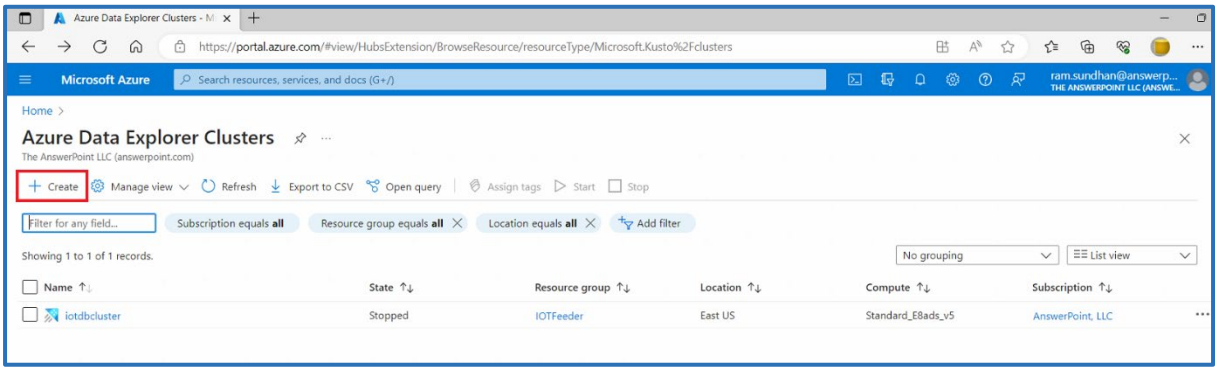
Click on the **Bin** folder, then click on the **Release** folder, then click on the **net6.0**

Bin -> Release -> net6.0 Select all files and folders then Press **ctrl + c (copy) and then deploy on the server.**

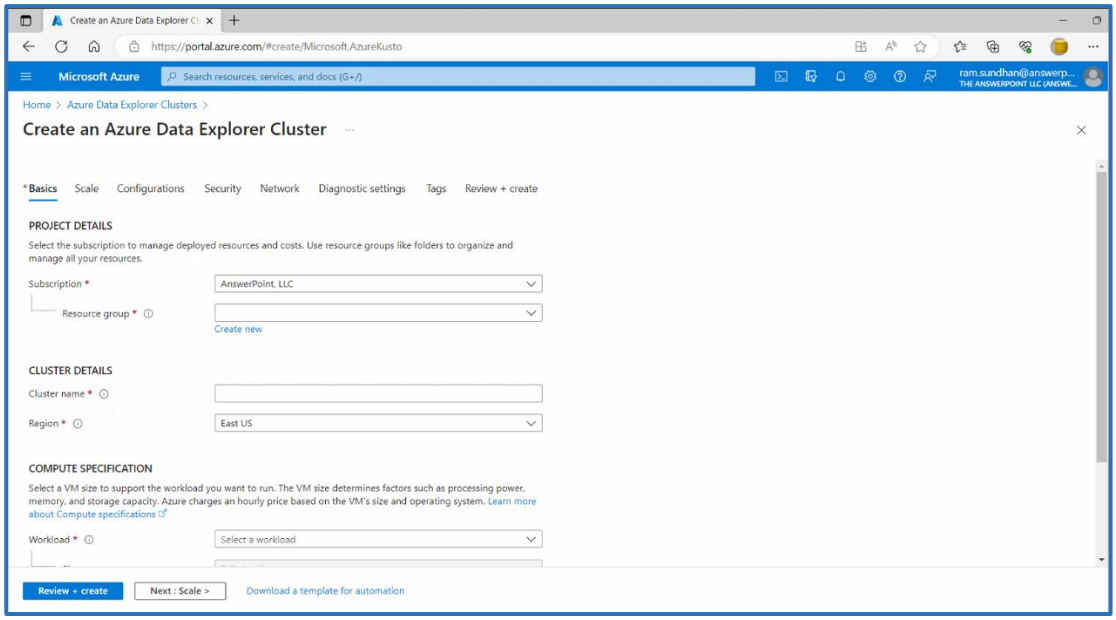


Azure Portal:

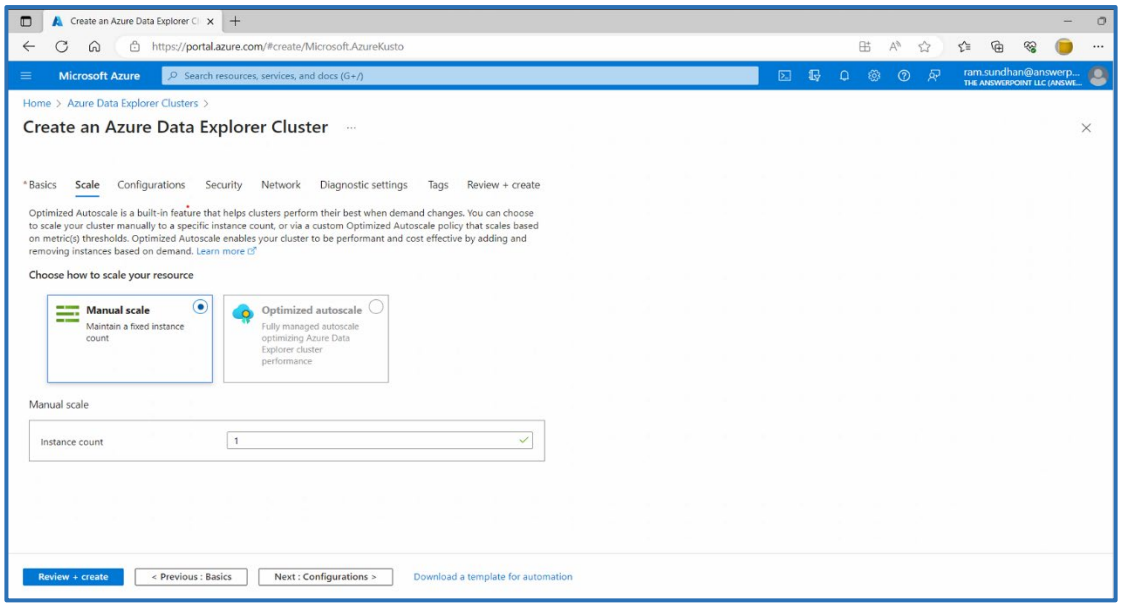
1. **Please follow the below steps to create a Data Cluster: click on create as shown in the below screenshot.**



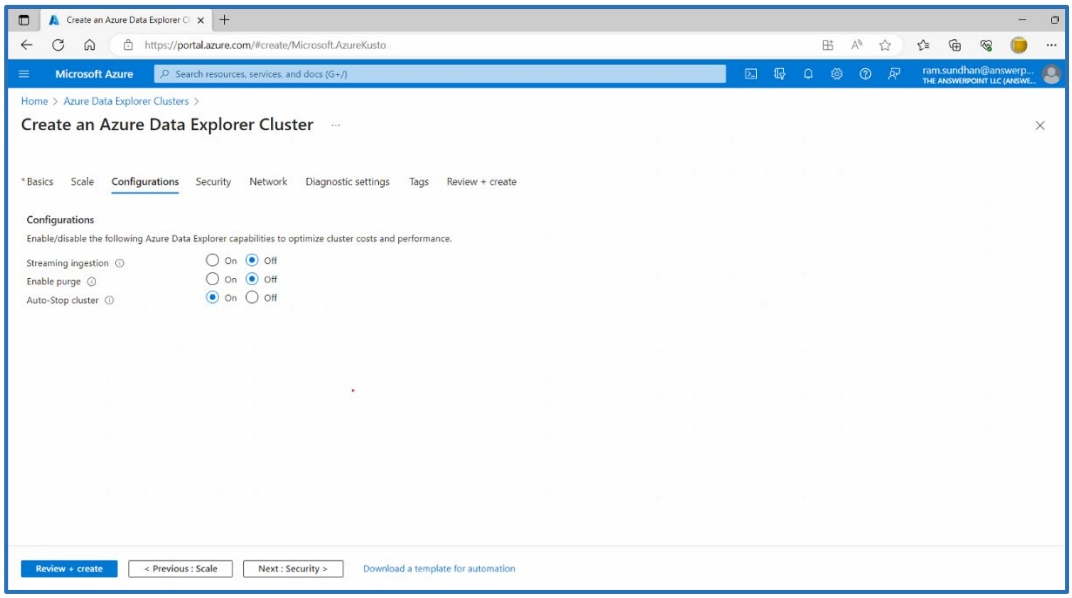
Step -1, Fill all the details and select your resource group and select all other details based on your cluster requirement.



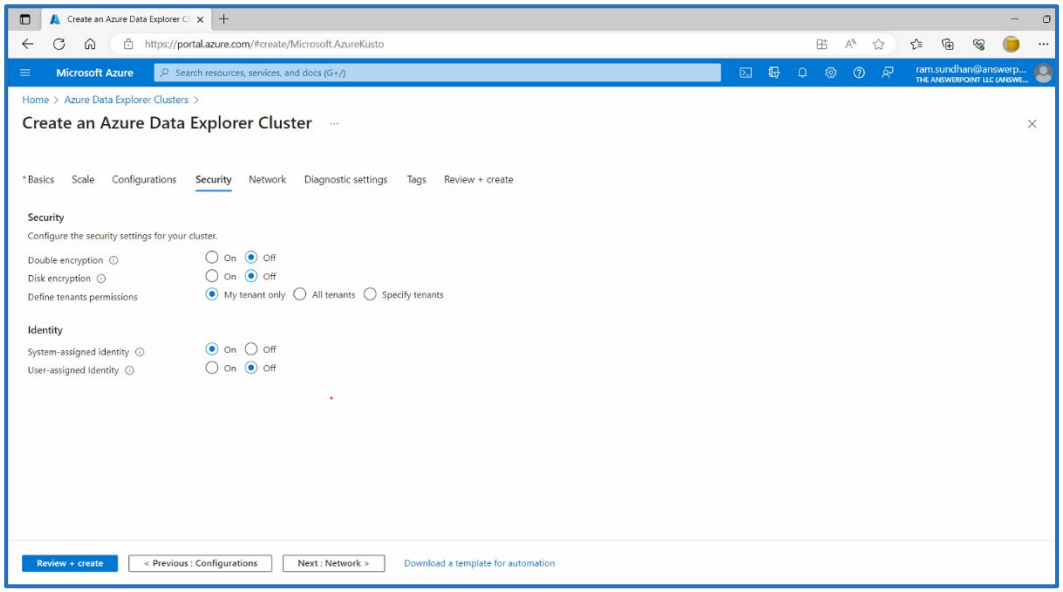
Step – 2, Select cluster scale based on your requirement.



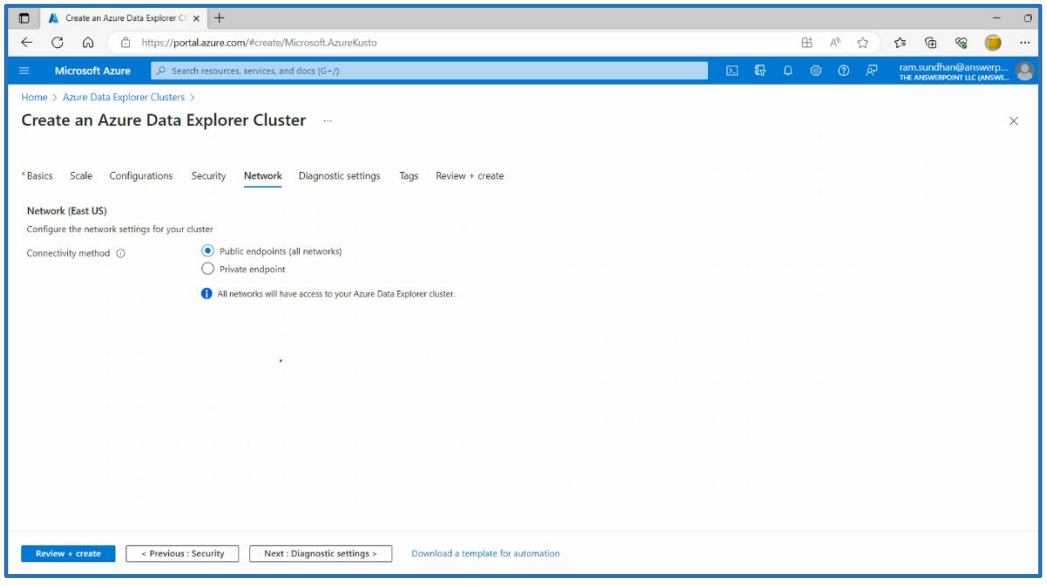
Step – 3, Leave as it is if you don't want to change the configuration.



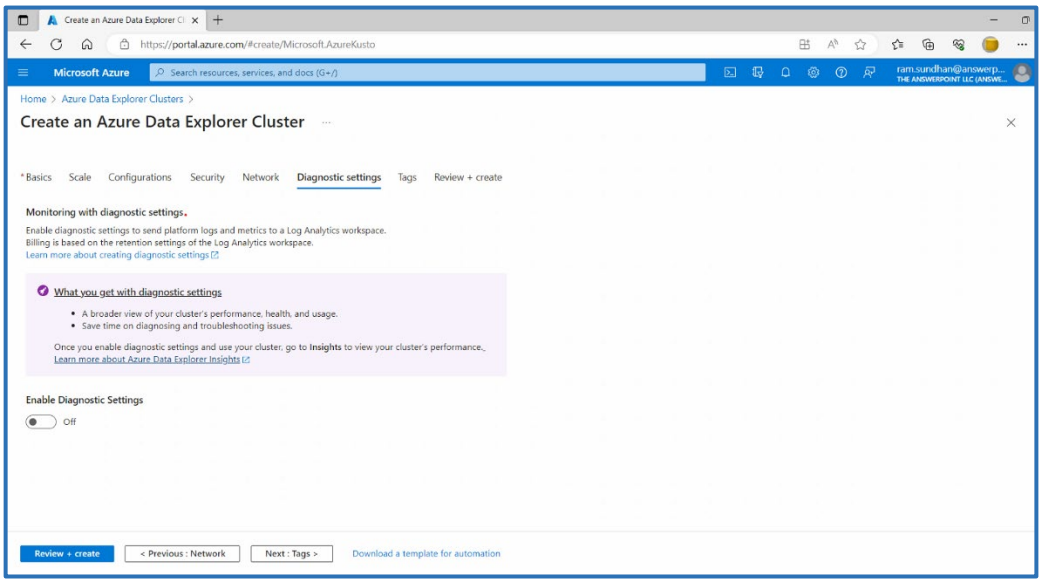
Step – 4, Leave as it is if you don't want to change the security.



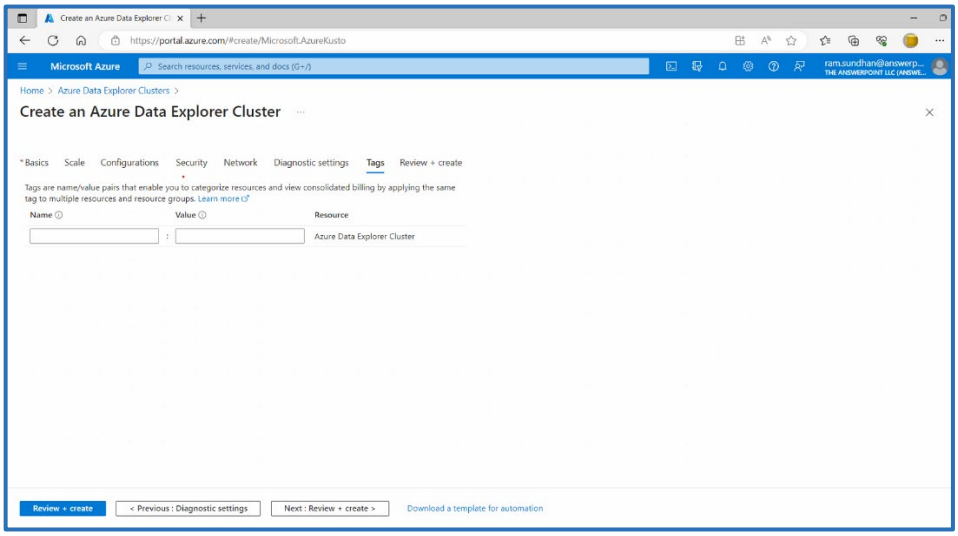
Step – 5, Choose your cluster connectivity method.



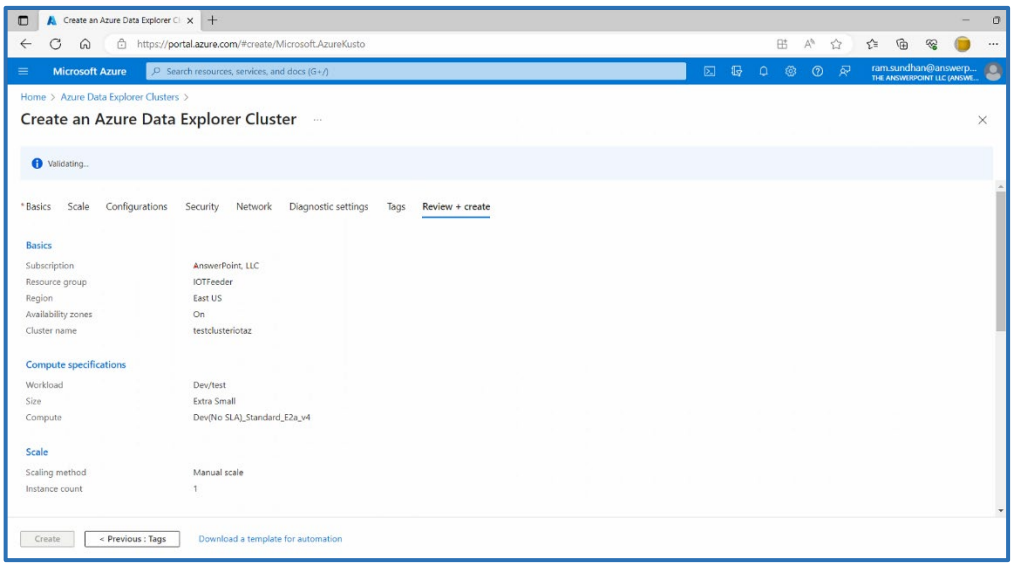
Step – 6, Diagnostic setting, enable this if you want to diagnose your cluster.



Step – 7, Add your custom tag if you want your custom tag for the cluster.

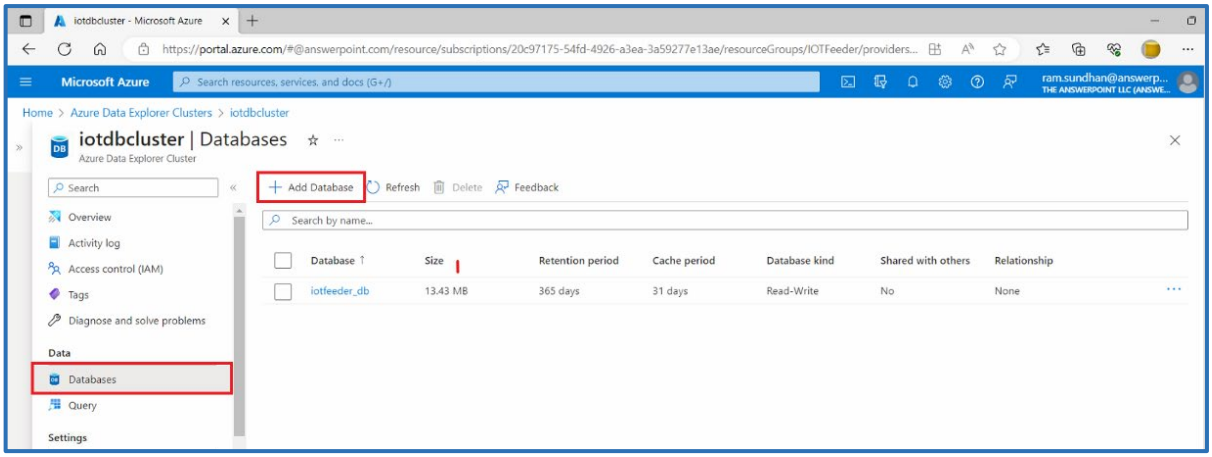


Step – 8, As the last step, go over your selections and configurations and then click on 'Create' to form the cluster.

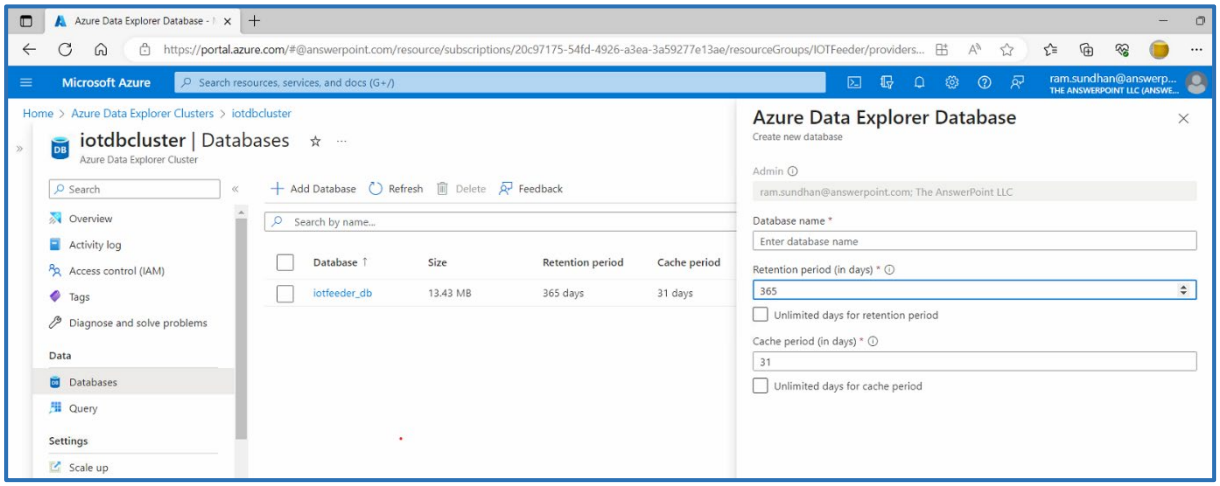


2. **After successfully creating the cluster, open the cluster and create the database following the below step.**

Step – 1, Open the cluster and select the database.



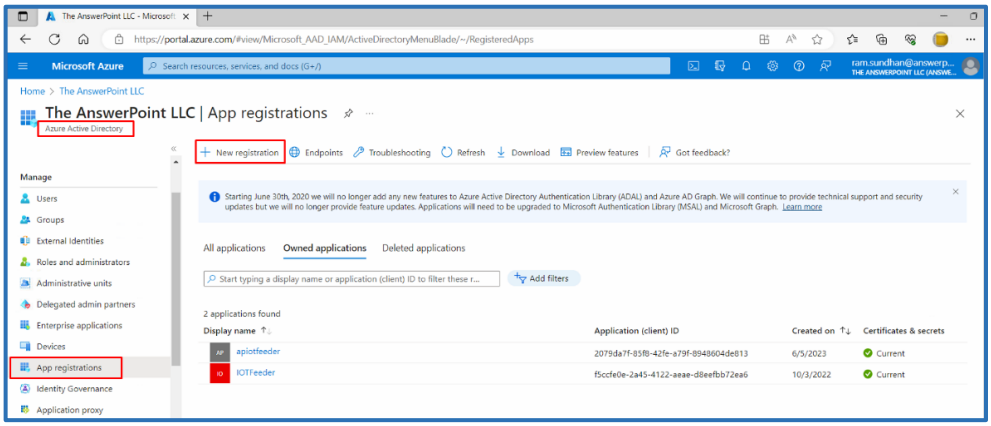
Step – 2, Enter the database name, select retention period and cache period, or leave it with the default value.



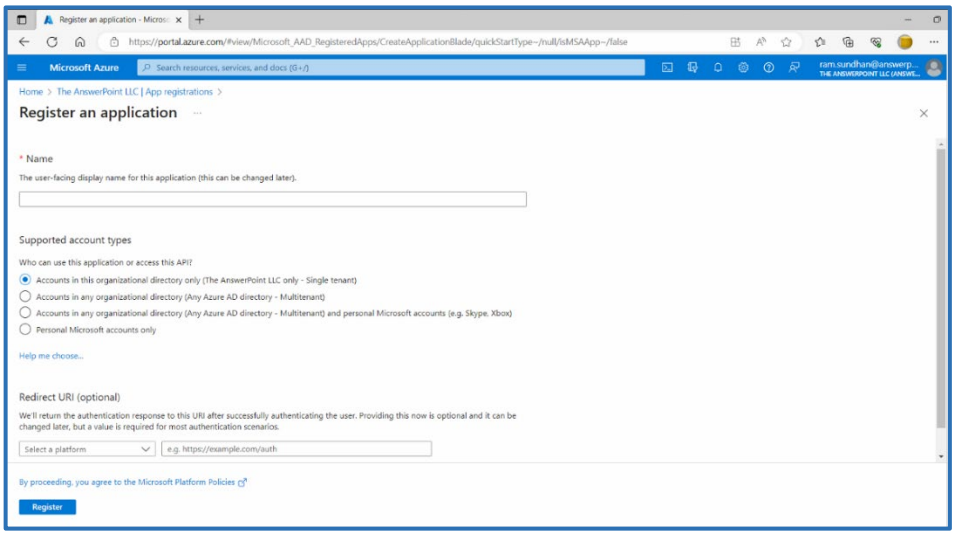
Step – 3, After successfully creating the database, open the database.

3. Register a new app under the Azure active directory.

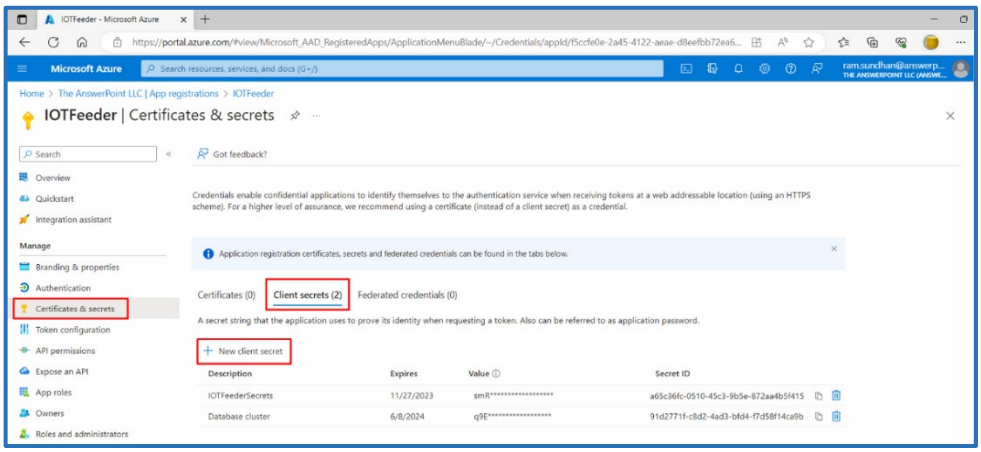
Step – 1, Go to the active directory page and select the ‘App registrations’ menu from the left side panel.



Step – 2, Enter the app name you want and select account type ‘Single tenant’ but if you want to choose a different type, redirect URL is not required, and then click the ‘Register’ button.



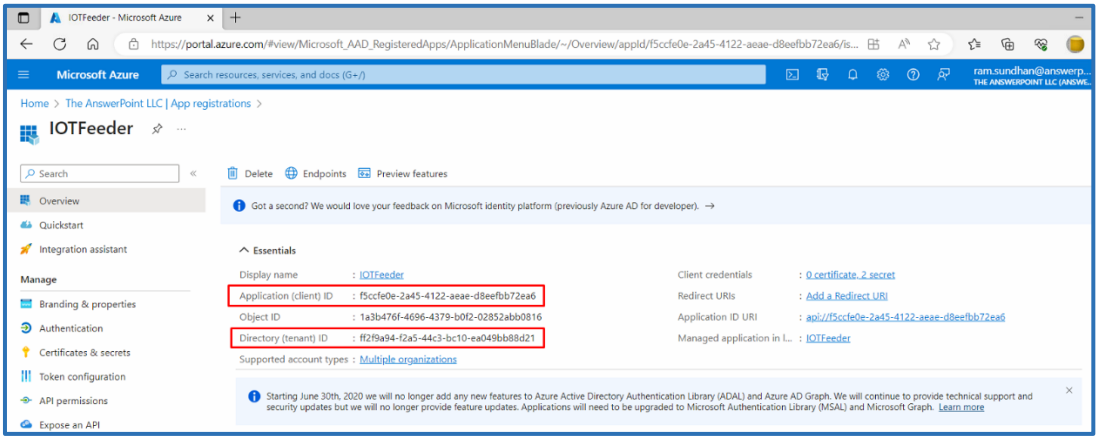
Step – 3, After successfully registering the app, open created app and select ‘Certificates & secrets’ from the left side panel and click on ‘New client secret’.



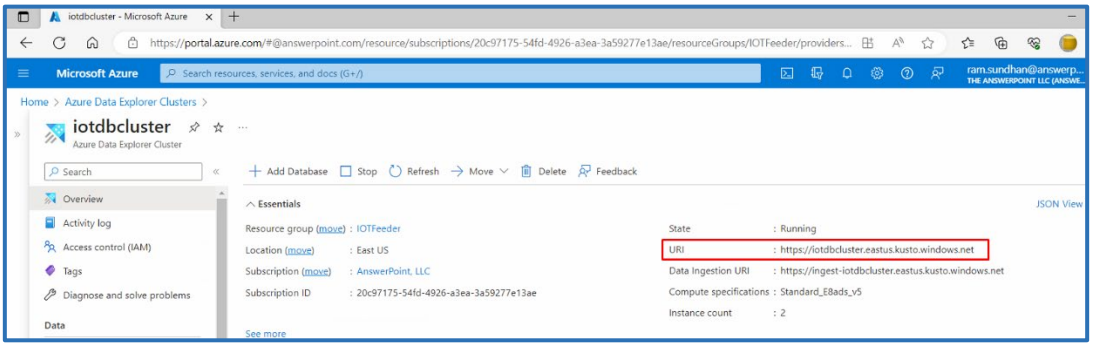
Step – 4, After successfully creating the client secret, one popup appears with the client secret value. Copy that value and store it somewhere before closing that popup. Client Secret value appears only once when you create.

4. For the Azure data cluster to C# application connection, we need below details are required.

Step – 1, Tenant ID and Client Id, These IDs you can find under the registered app.



Step – 2, Kusto URL, This URL you can find under the newly created 'Data Cluster'.



Step – 3, Now, You must enter the client secret value that we have saved for you after creating the client secret successfully.

Thank you!