***Assign Domain name and Deployment in Azure:***

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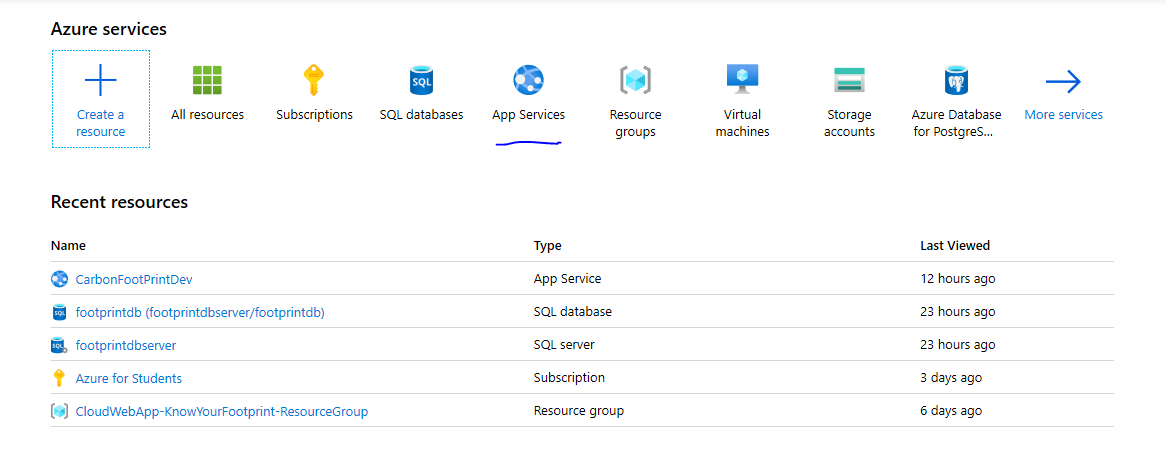
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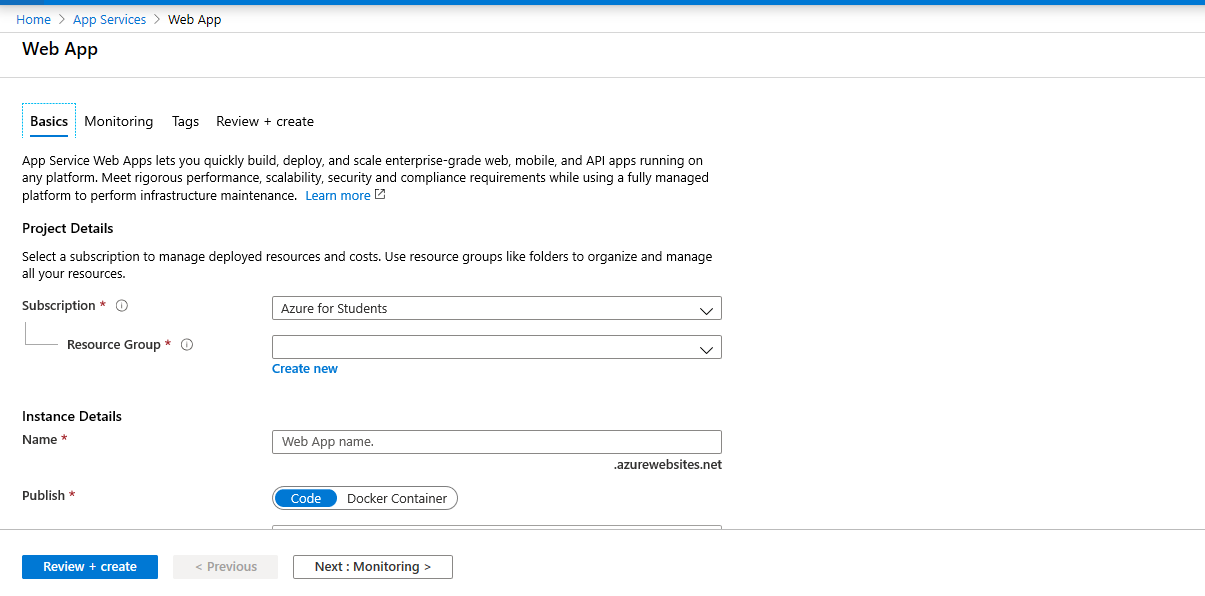
## ***Deployment in Azure web service:***

1. Login to ***portal.azure.com***
2. Go to “App Services” to create a app service to where our application will be deployed to access through web

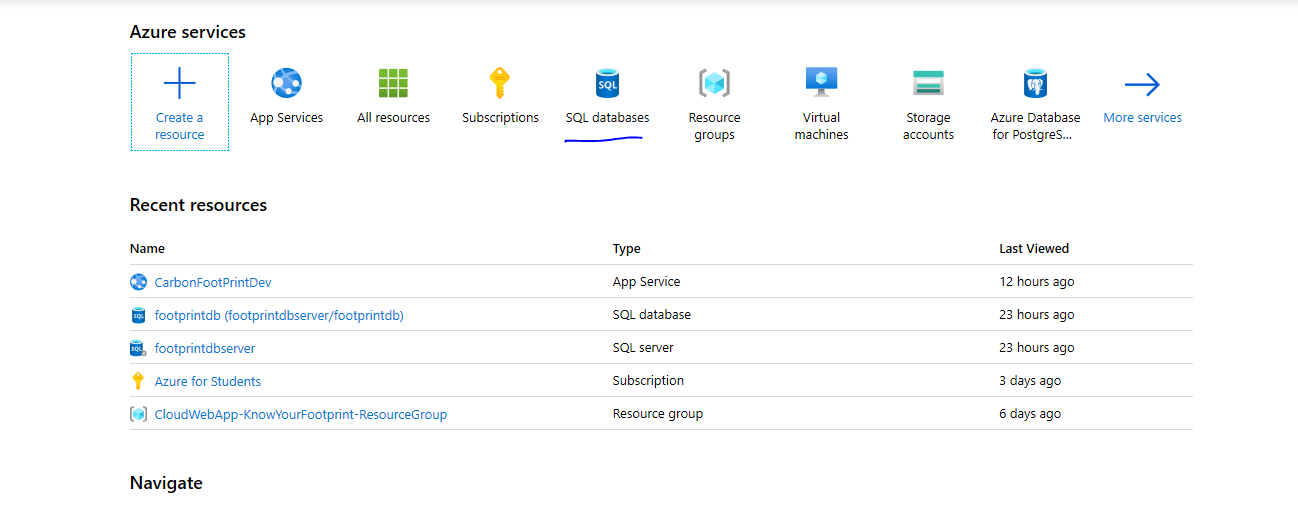


1. To create App service ,

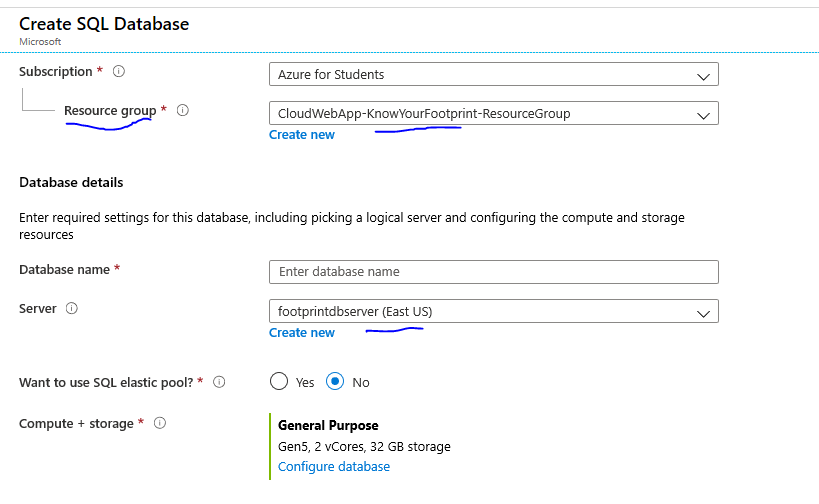
* Click “***Create new***” under “***Resource Group***” to create a new resource group.
* Create App service name in “***Name***” and click “***Create***” button
* Now the app service had been created and assigned under a resource group. Resource group is a group where app service, SQL database server and SQL database are grouped in the same resource group so that all services are integrated.



1. ***Create database service***

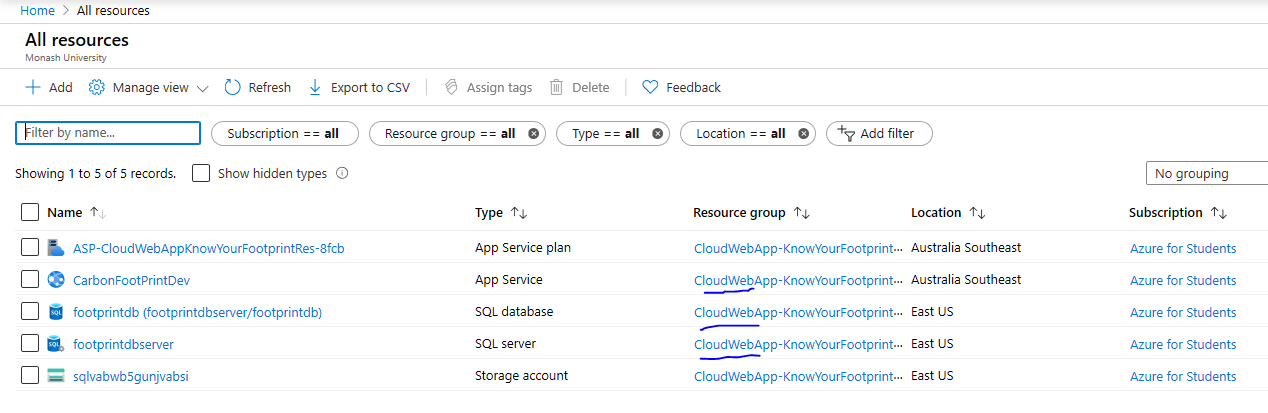


Go to “SQL Databases” and click “Add” button to create a database with database server



* Ensure the resource group name should be same as the “App services” resource group.
* Assign name for the database
* Create “Server” for the database if you do not have any database server.
* Finally click ***create*** button to create database server

1. Go to “All resources” and check all services are created in the same resource group.



NOW THE APP SERVICE AND DABASE SERVICE HAS BEEN CREATED

## ***Connect Azure SQL Database and App service to visual studio to publish the application.***

1. Open visual studio and go to “View -> Server Object Explorer”
2. Click “Add SQL server” button and go to “Azure”. Enter server name and credentials(take from the Azure service)

***Our credentials:***

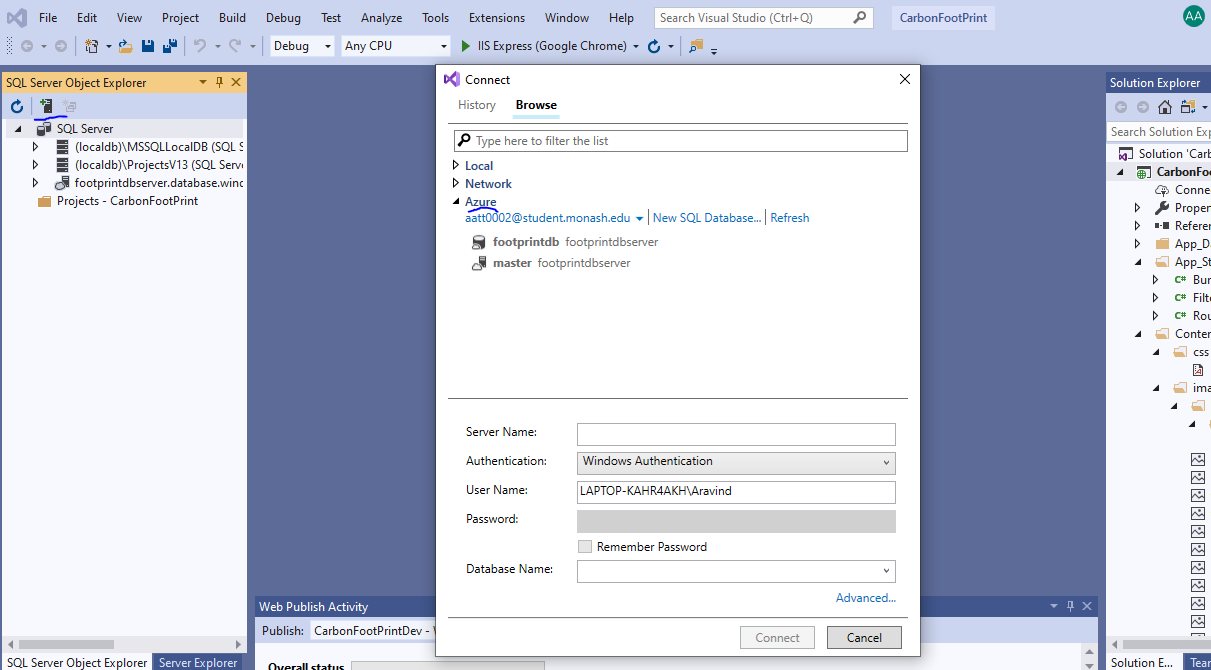
***dnname/servername : footprintadbserver***

***Username : footprint***

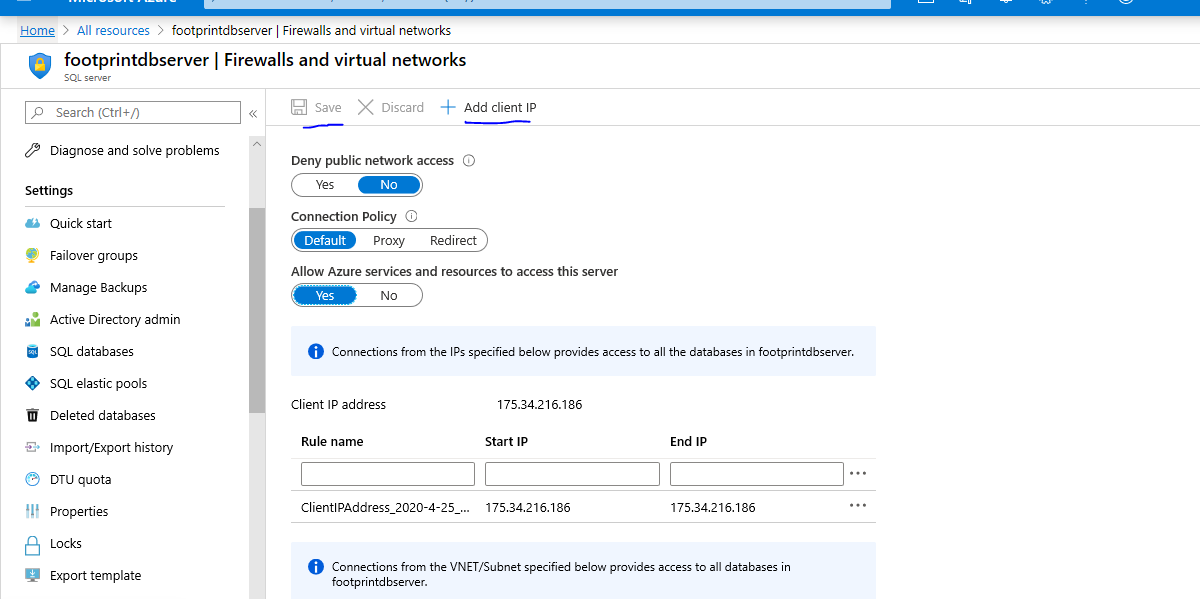
***Password: Carbon@123***

***dbName footprintdb***

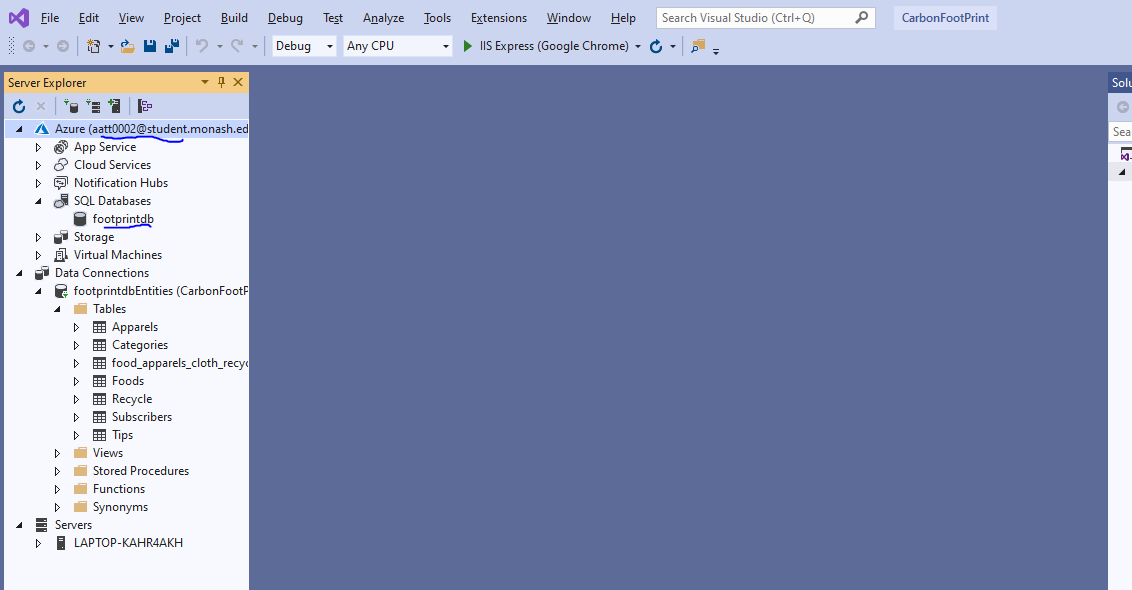
***dB server url: footprintdbserver.database.windows.net*** - It connect to your azure sql server.



1. Add client Id in the firewall rules of your SQL database server.

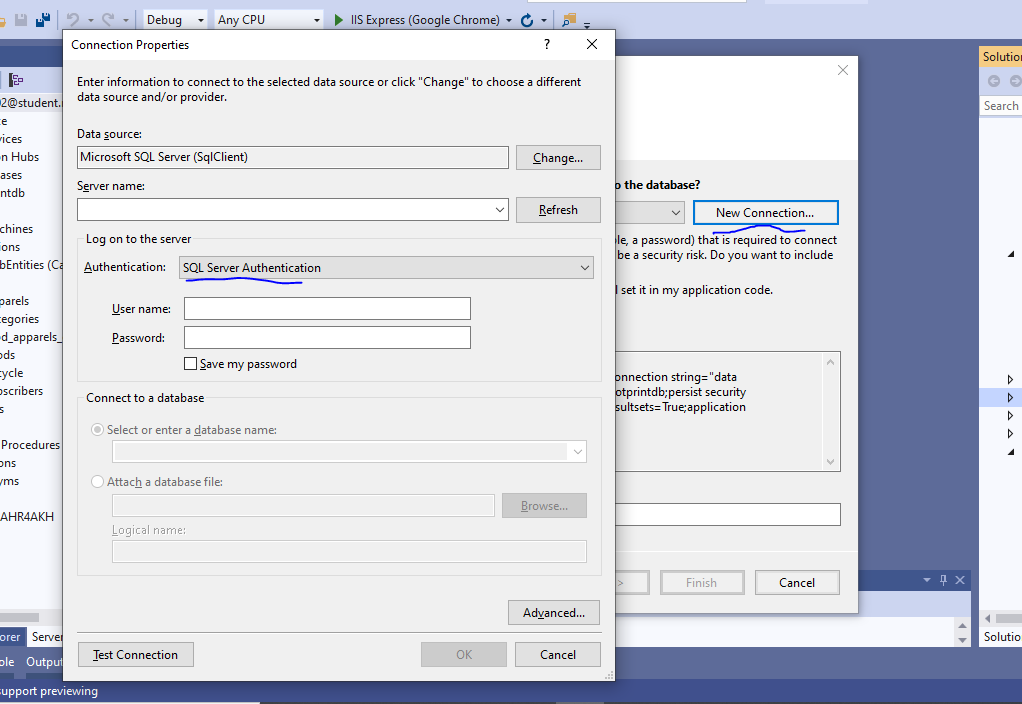
Go to your SQL database server -> Overview -> Firewall settings. Click “Add Client IP” to add client IP and click “save” button. 

1. In Visual Studio. Go to View - >Server explorer -> connect to your “Azure” account to access the database.



1. Now the database is connected, You can start creating model using “Database” approach and connect to azure database using SQL server authentication.

* Right click “Model” > Add “ADO.NET Entity Model” -> Enter Model name -> Select “EF Designer from Database” (1st option) and click Next.
* Click “New connection” opens a pop-up dialog box. Enter SQL Server credentials(mentioned above) and connect.



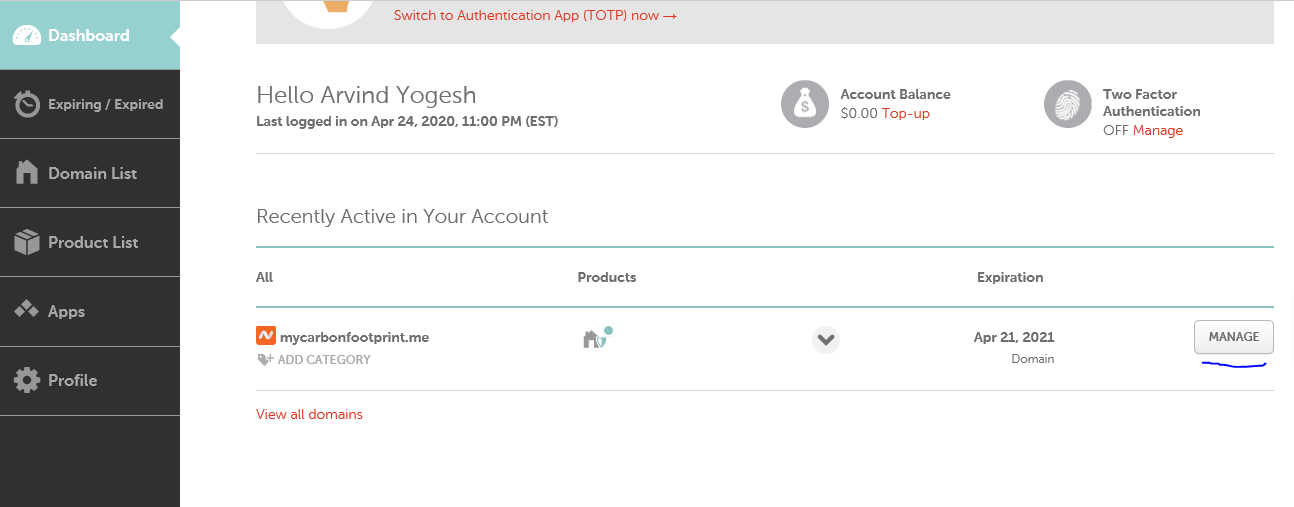
NOW THE APPLICATION MODEL HAS BEEN CREATEDAND CONNECTED TO Azure SQL Database service so respective controllers and views will also be created.

1. Publish the application to App service. Follow the below screenshot.

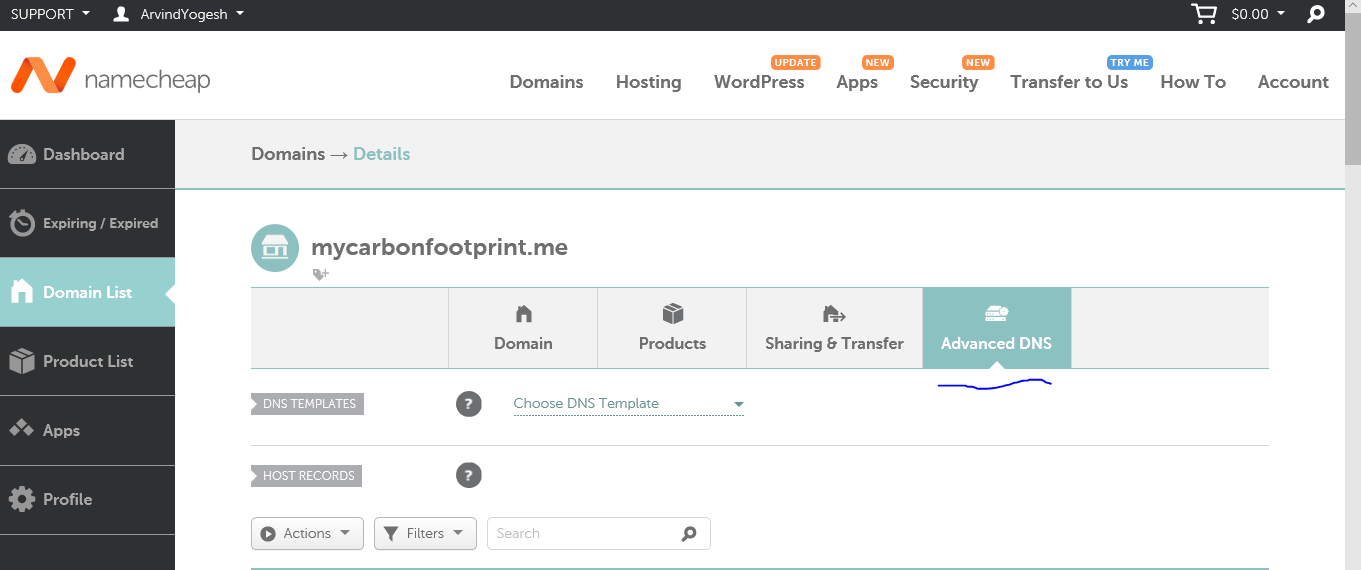
* Right click project name on “Solution Explorer” and click “Publish”
* In the publish dialog box ->go to “Publish” -> “New” -> Select the App Service -> “Select Existing” and click “publish” .
* Select your “App Service” and click OK button.
* Now the application will be published, and App service URL will be used to access our application.

## ***Assign Domain name***

* Go to ***nc.me*** and get any domain name using your email id
* Our domain name is mycarbonfootprint.me
* Signup and login to ***https://www.namecheap.com/*** using the same mail id. Check the domain name which you created will be created in it.
* ***Username***: ArvindYogesh
* ***Password***: Yogi@123
* Go to domain name “mycarbonfootprint.me” -> “manage”

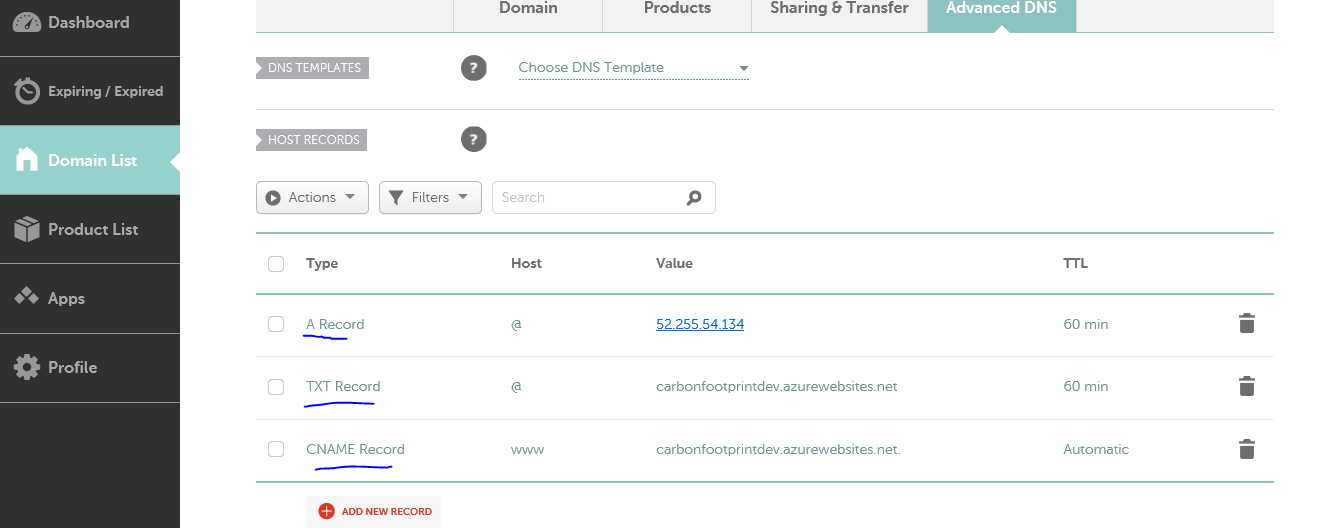


In “manage” -> Go to “Advanced DNS”



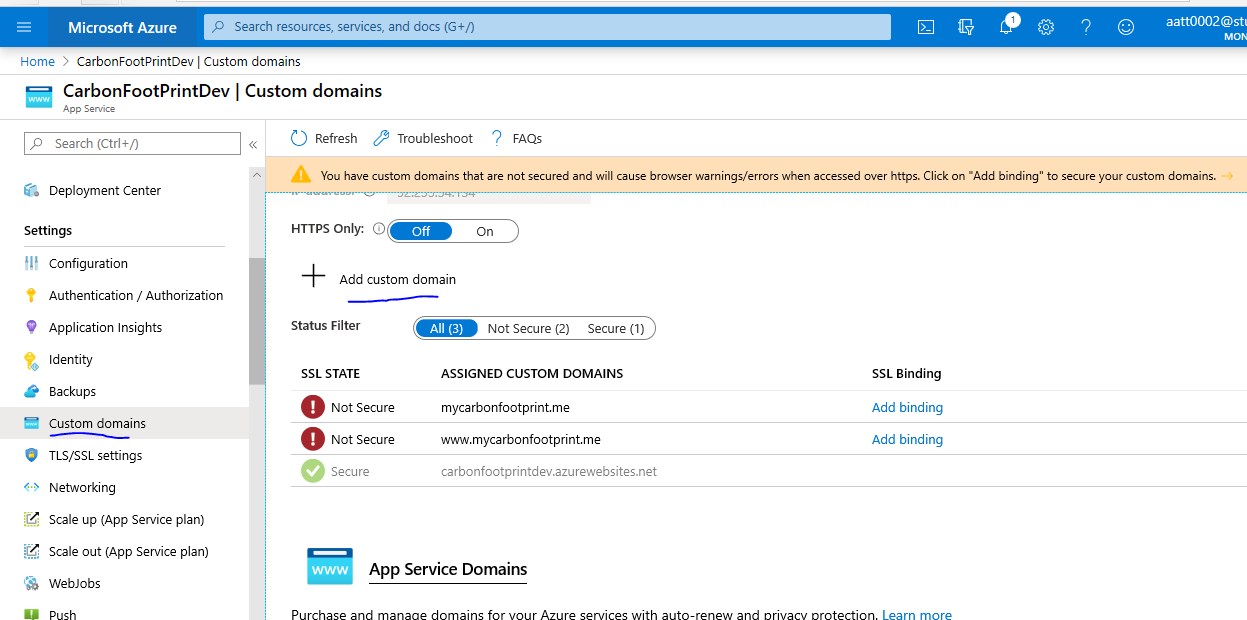
In the “Advanced DNS” create 3 records

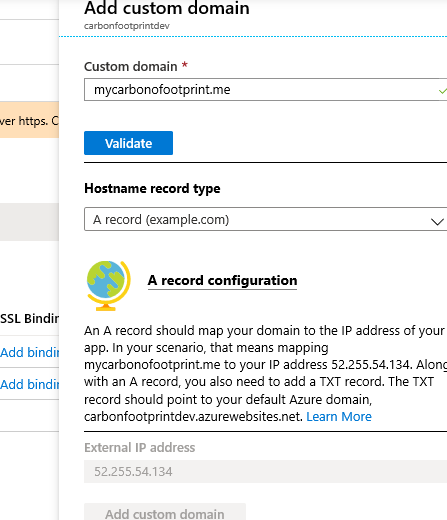
* A Record : IP address of your Azure App service
* TXT Record: Azure app service URL
* CNAME Record: Azure app service URL.



* Bind this domain name to your Azure App service

Now Go to Azure -> your App Service -> Custom Domain -> Add Custom Domain





* Enter your domain name and click validate button.
* Click ok button to add that custom domain.

Go to your App service -> overview. Check the domain name should be shown

