Azure section 12 - App services and setting the inventory application.

We can deploy the code without any underlying servers. We just need code we deploy it on app services and run it.

We can not access the underlying servers. This is the managed services.

This supports languages like dot net, nodejs, php, python etc.

The applications which can be deploy using this app services is web applications, Web Api, Batch processes etc.

It integrates well to many dev ops tools.

This service is secure and always compliant.

We can also deploy it on container.

Auto Scaling:

App services provide the service called as auto scaling.

This adds the VMs depending on the increasing load. And then the instances are also removed after the load drops down.

We need to provide the rules.

Setting an inventory Application:

Step1:

We need to download the file of inventory application which is there in the GITHUB profile.

https://github.com/AbhinavDeodhar/PracticeAppAzure.git

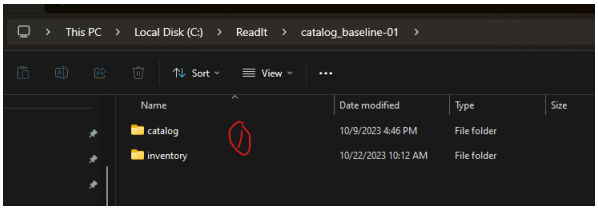
Now extract that application and copy that application to the local machine where we have saved the catalog application.

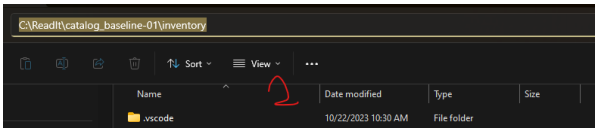
Then we need to open the inventory application and open the VS code in that specific folder.

For that we can do is go to the path location of the inventory folder and then type cmd and hit enter. Once the cmd is opened then we need to type code (.) dot and the Vs code will open in that specific folder.

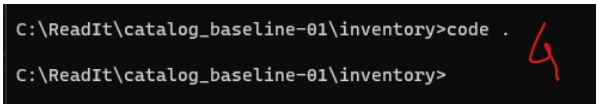
Once the code is open we will run the code and then we will see that the inventory module will be opened in the browser.

we will run this app locally. to do that simply hit f5.

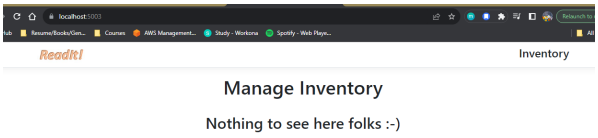




Cut the selected path and write cmd and hit enter.



Here the code is opened in the Vs code. hit f5 to run the code after the vs code application is opened.



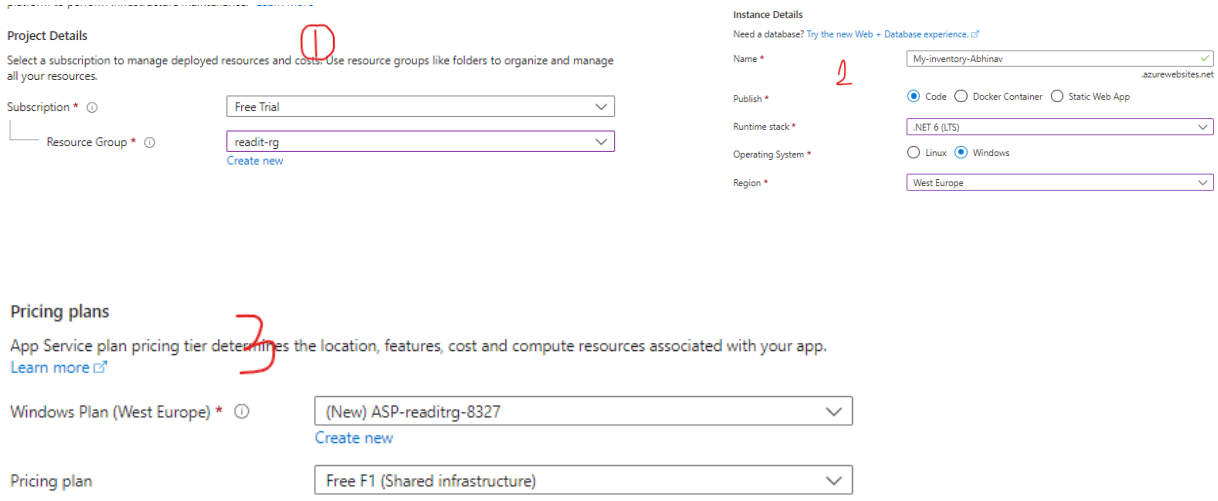
Here is the app running on the local host.

Step 2;

Now we need to deploy the inventory app into the application service. So go to the azure portal and search for the application services.

Click on create the web app service. Then choose the subscription and give the unique name to the web app service through out the azure. Then we also need to select the region and the coding platform. For us the region is West Europe and the coding platform is dotNet6 (LTS).

Then we need to choose pricing plan and that is F1 pricing plan. Click on Review and create and then create the APP service.



Step 3:

Now we have created the application service we can now deploy our inventory module on to it. For that we need to go to the Visual code and deploy/ publish the code. Just go to the VScode and open the terminal and type the command.

> dotnet publish -o publish.

This will create a publish folder. Right click on it and we will have a last option saying that deploy the web app. We have downloaded the extension for azure. Click on the option deploy to web app. It will ask us to sign in. So sign in to azure.

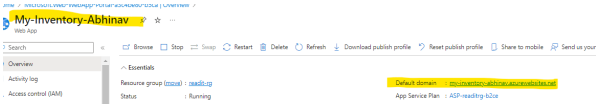
Then VS code will list the app service in the search bar click on it and then VS code will ask us if we want to deploy the app here? Click okay.

There will be a notification on bottom right that do you want to browse website. Click on ok. Then we need to hit continue. And we can see that the application of inventory module is running on the browser.

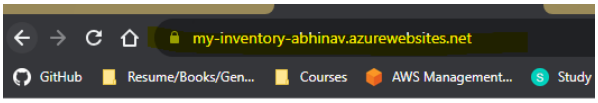
But this time it is running from the DNS which was provided by the app service which we created.

> So here the DNS is working because the app service which we created is having the inventory module after we published it using VS code and the Azure package which we have installed it at the start. The reference to the packages which i installed is in the starting session of this repository.

Here is the hands on:

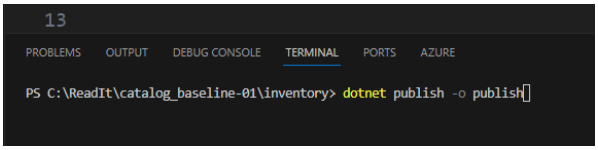


Here under the overview page we can see the domain link of the web app service. Copy and paste in the new tab and you will see that there is default page.

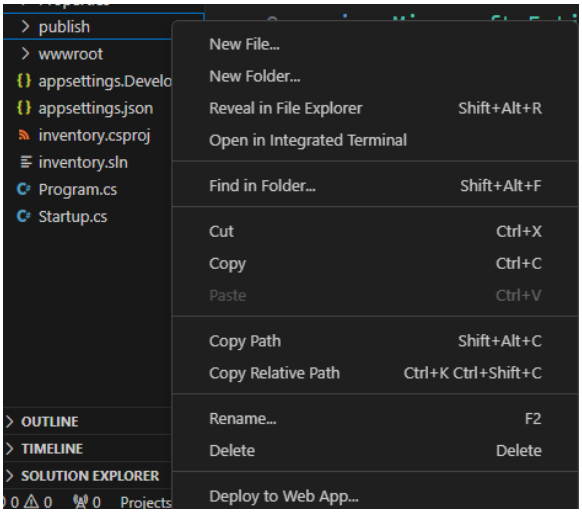


Microsoft Azure (2)

Here it is the same DNS link is used to connect but it is not showing inventory app because this web app service doesn't have any app module published on it so far.



so here we opened the terminal under the same inventory folder and run this command this will create a folder publish on the left explore panel.



Right click on the publish folder and choose the last option deploy to web app.

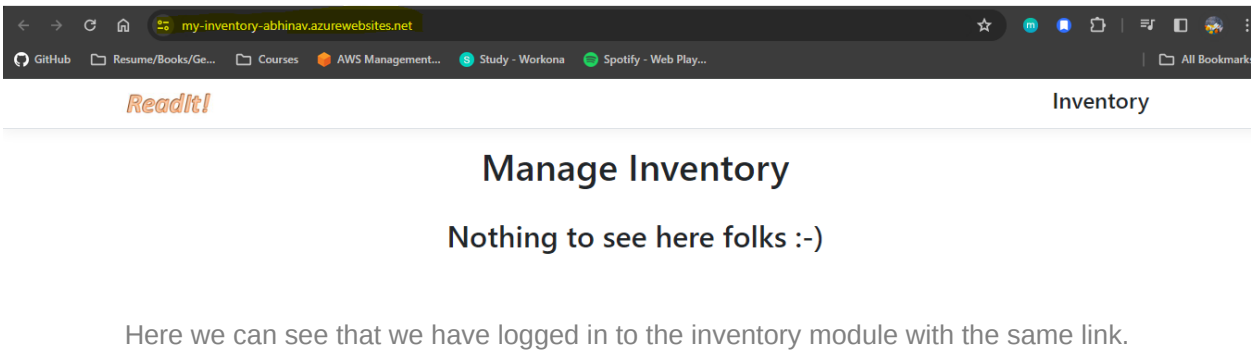
Now after we select this option there will be few pop ups.

First there will be at top search bar asking us to sign in to azure. We need to click that and then it will take us to the page of sign in to azure account.

Then once signed in it will ask to choose the subscription under the same search bar.

After that it will ask us to choose the app service which we have.

And then there will be a pop up asking us whether we need to deploy this inventory module to the app service we have created or not.



Here we can see that we have logged in to the inventory module with the same link.