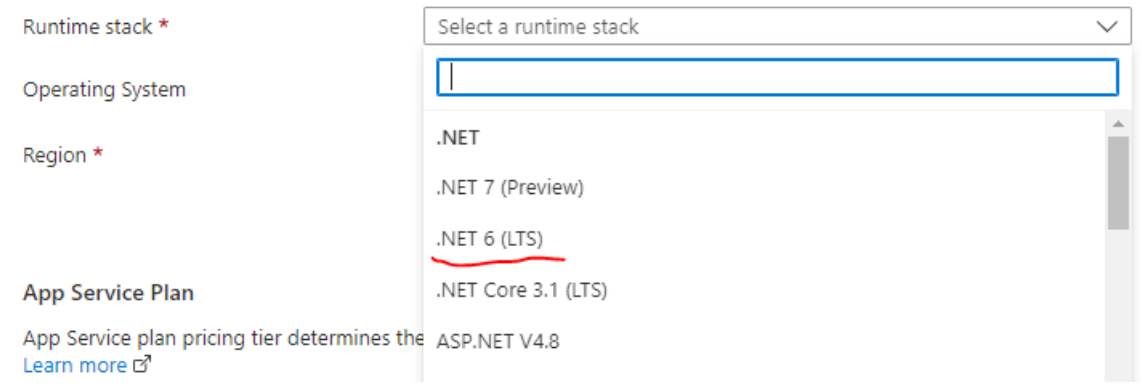
Deploying .netcore Web API, Angular UI and sql Database to Azure App Services

❶Creating Web app for Web API and angular in azure.

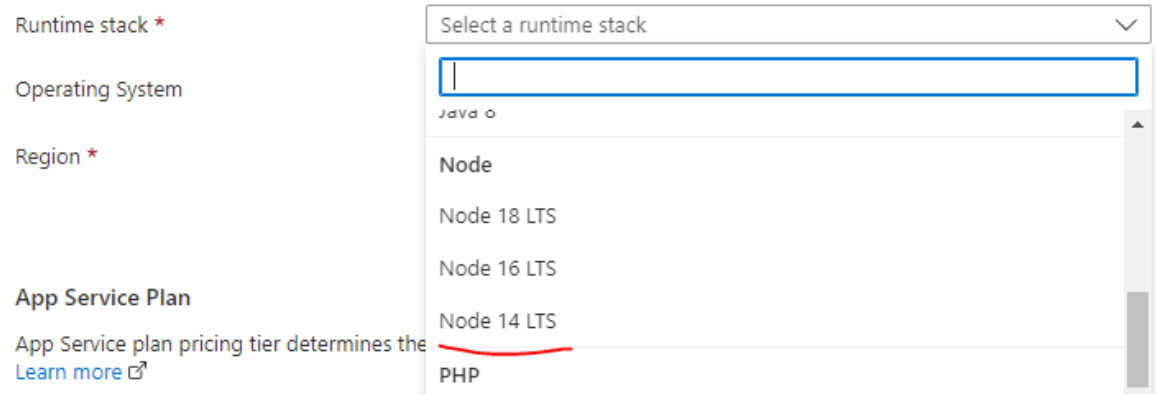
1. In azure portal , create azure app services resource for Web API and Angular.

2. While creating it for API choose run time stack as .NET 6 and while creating it for angular choose it as Node 14 or accordingly.

.net Web API

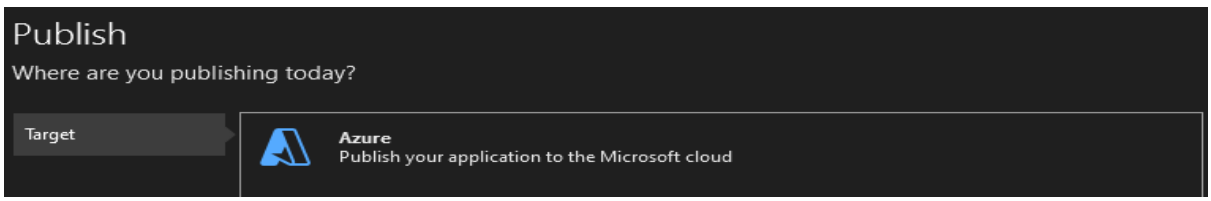


Angular

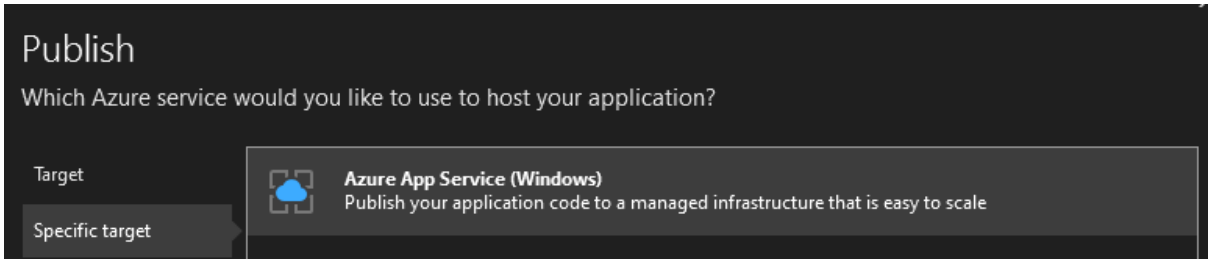


❷ Deploying Web API from Visual Studio 2022

1. Open your web Api Code in VS 2022.
2. Click On project file and say Publish.
3. Select Publish target as azure.



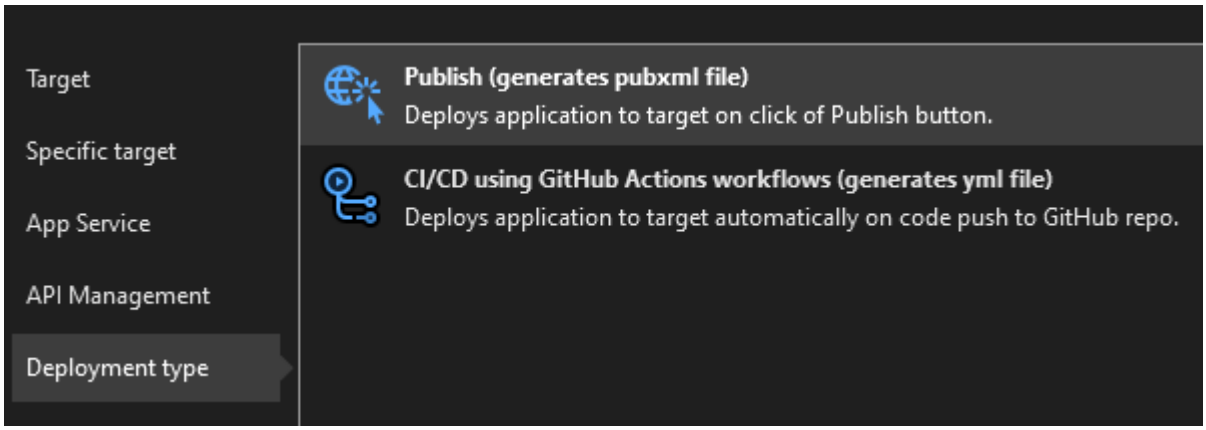
4.Select Specific target as Azure App services.



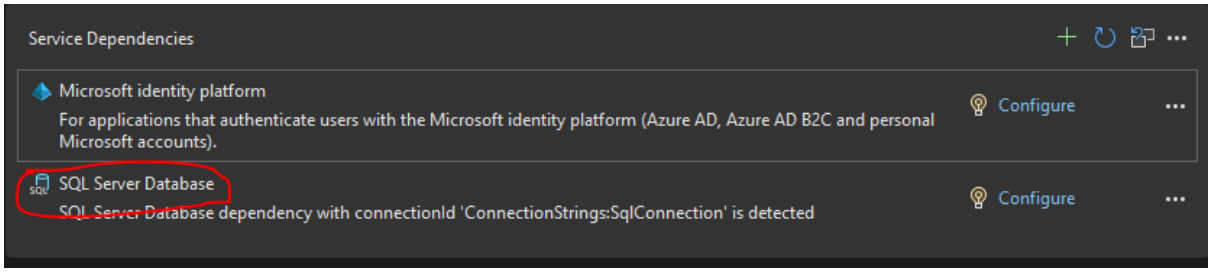
5. Select the web api app service that we created in first step .

6. Skip API Management.

7. Select deployment type as publish, and finish.

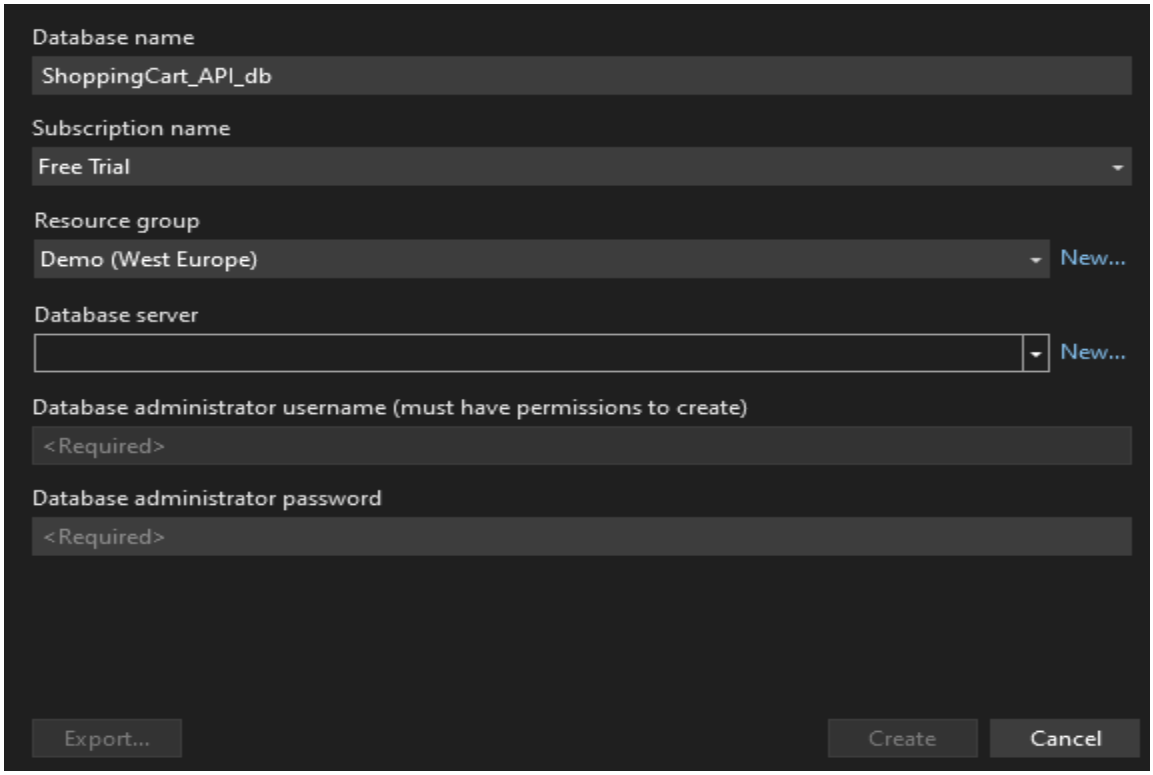


8. Configure Sql dependency

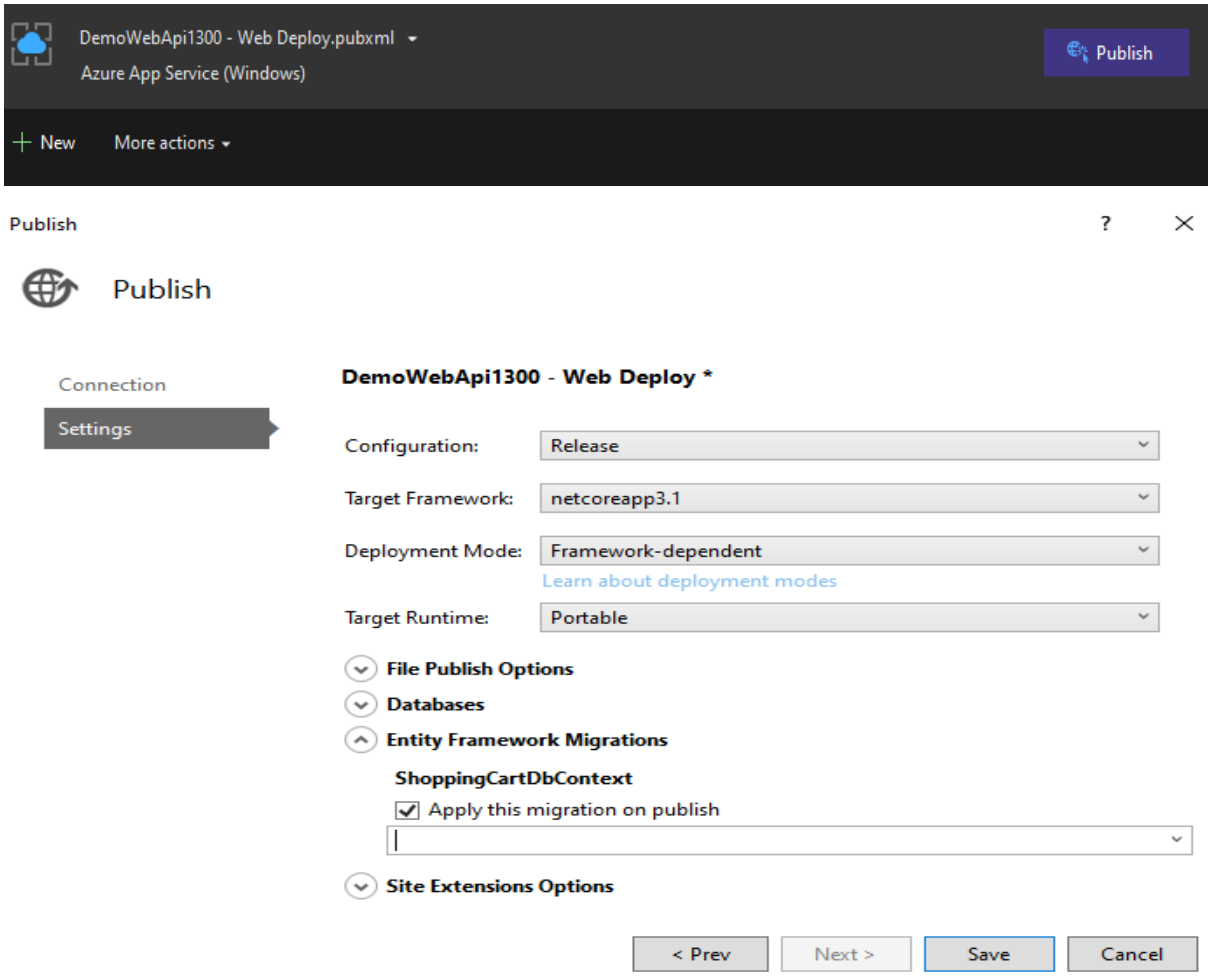


9. Select service dependency as azure database services.

10. Create new database .



11.After configuration in more action, select edit and say yes to “Apply this migration to publish and save”



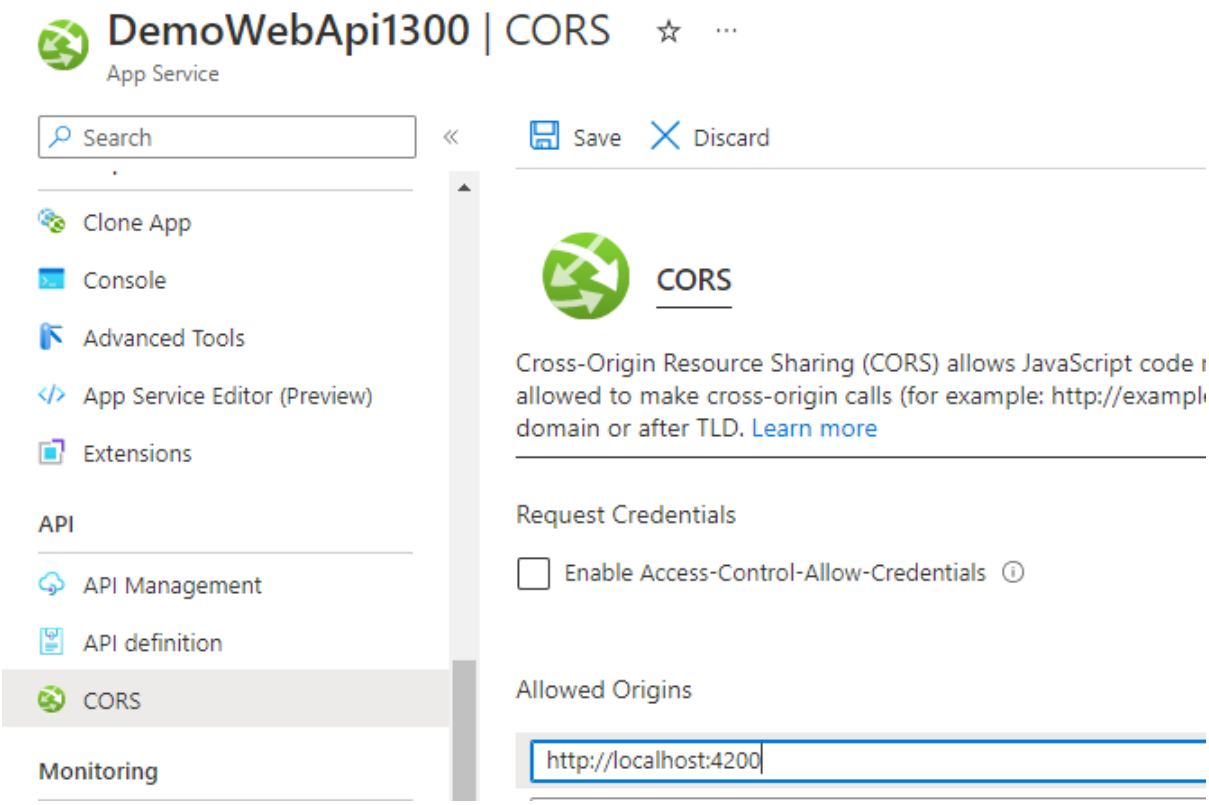
12. After this we are ready to publish !

❸ Deploying Angular Web App from Visual Studio Code

1. Open Angular frontend project in VS Code.

2. Paste URL of the web api wherever needed in VS code services.

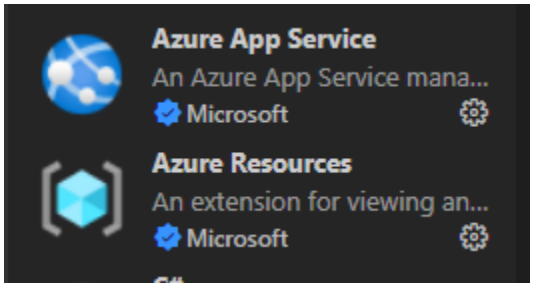
3. Before trying out if connection is established , update CORS permission in the WEB API that we just deployed in azure.



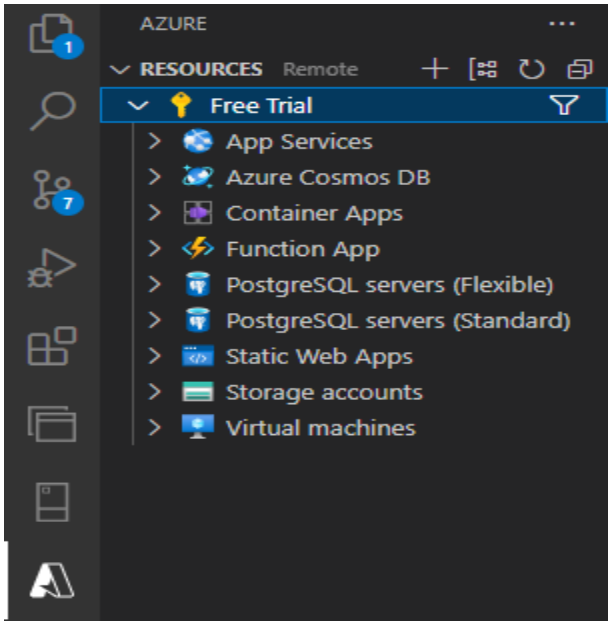
4. try running application using command “ng serve --configuration=production”

5. If it works , run command “ng build --configuration=production”.

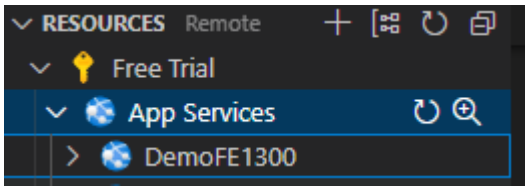
6. Install Extensions as follows



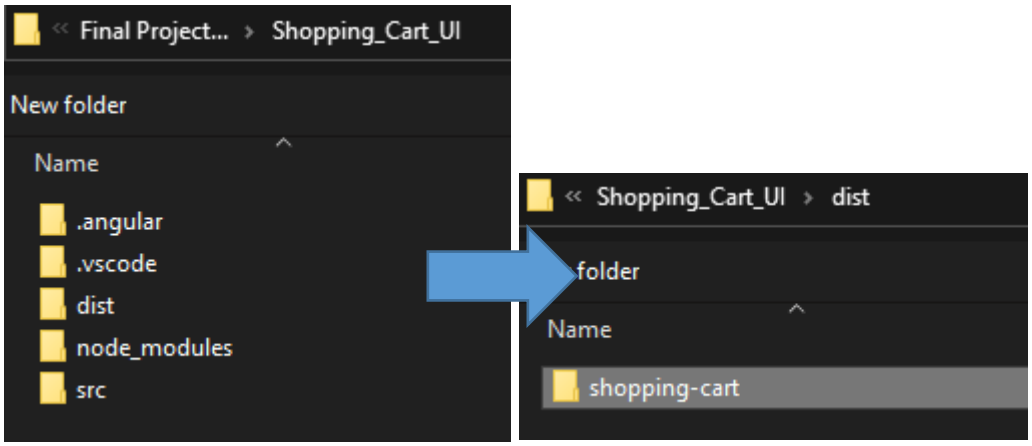
7. Connect with azure account .



8. Select the Web App that we created using runtime stack Node 14,
right click and say deploy.

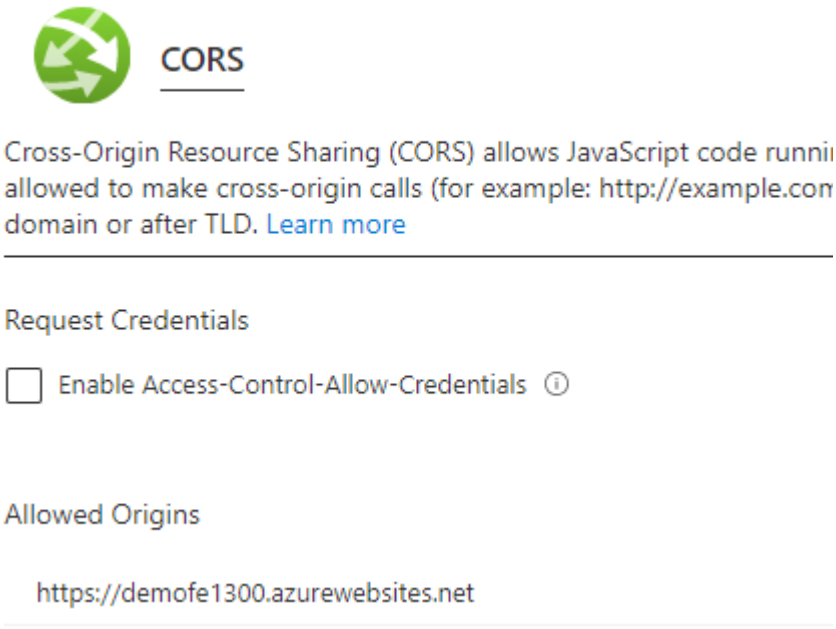


9. When asked which folder to deploy, select folder from dist folder in angular project to deploy .



10. Deploy the project.

11 . Allow URL of Front end in WEB API CORS also.



12. Now you can run your web Application by clicking URL present in app services