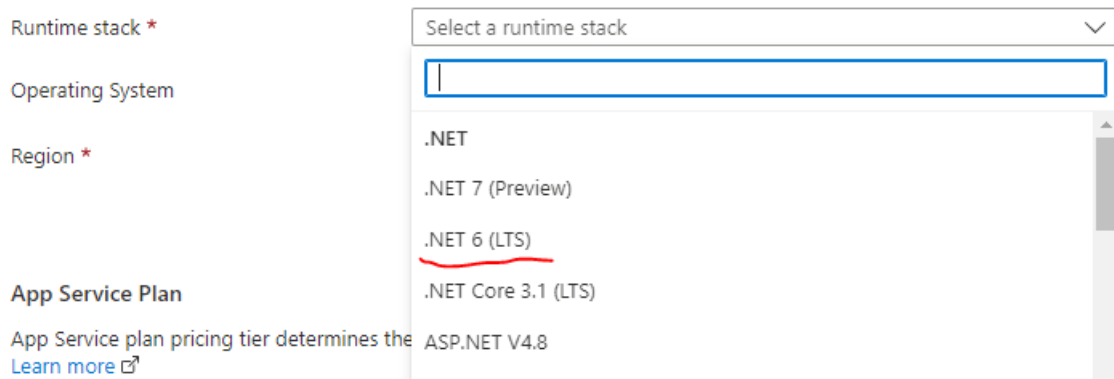


Deploying .netcore Web API, Angular UI and sql Database to Azure App Services

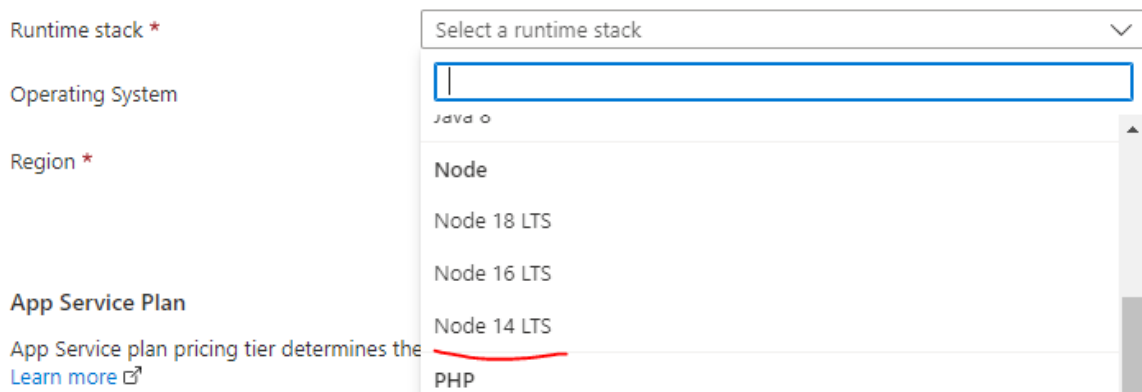
① Creating Web app for Web API and angular in azure.

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

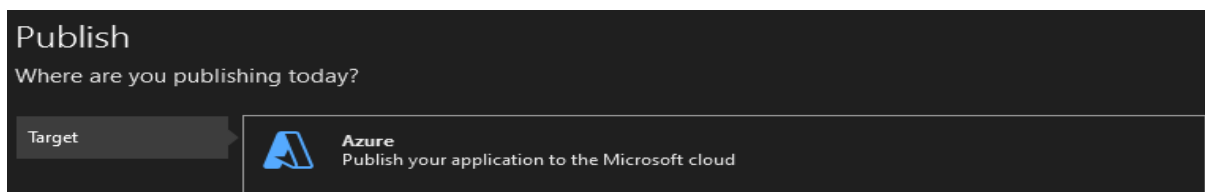


Angular

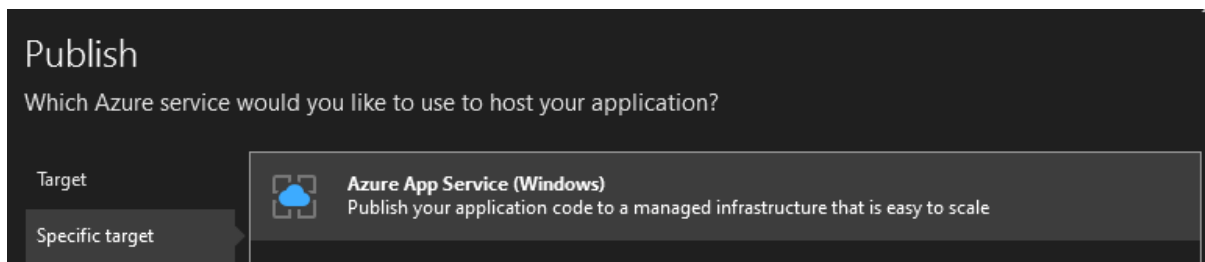


② Deploying Web API from Visual Studio 2022

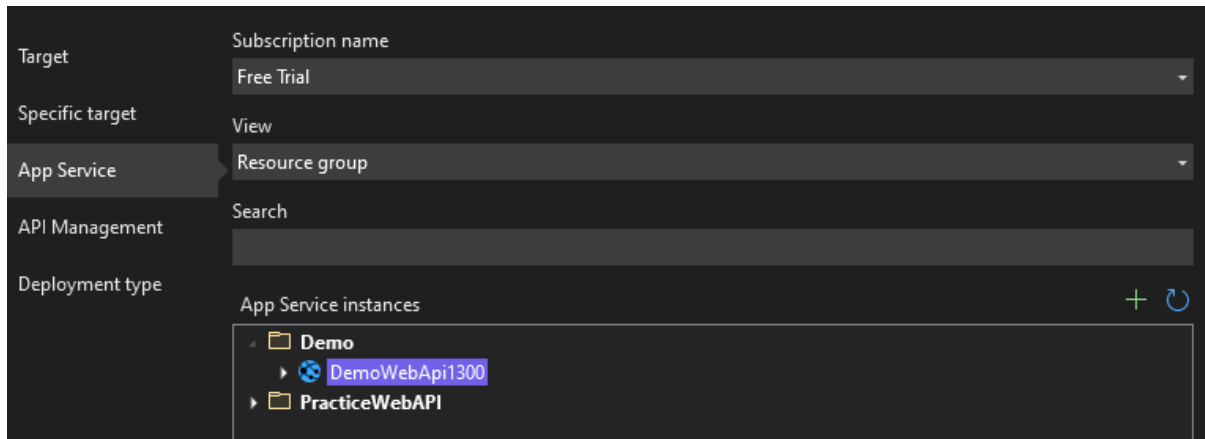
1. Open your web Api Code in VS 2022.
2. Click On project file and say Publish.
3. Select Publish target as azure.



4. Select Specific target as Azure App services.

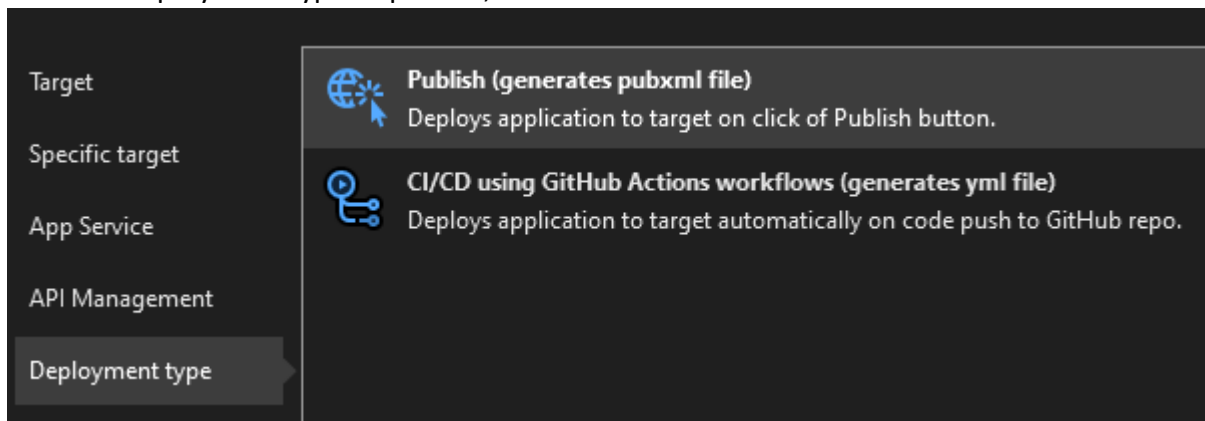


5. Select the web api app service that we created in first step .

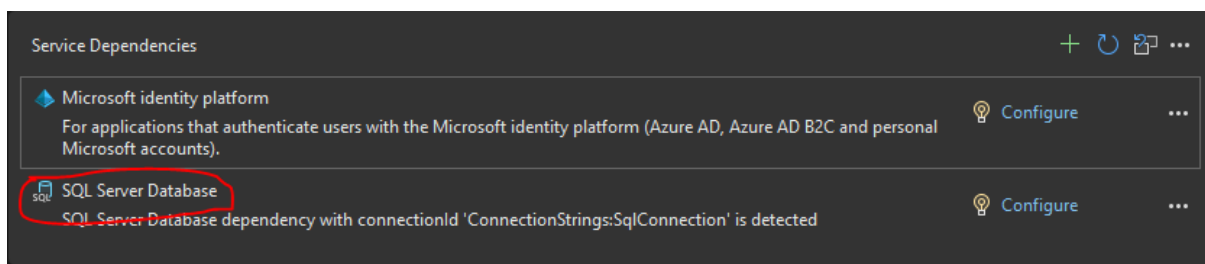


6. Skip API Management.

7. Select deployment type as publish, and finish.



8. Configure Sql dependency



9. Select service dependency as azure database services.

10. Create new database .

Database name
ShoppingCart_API_db

Subscription name
Free Trial

Resource group
Demo (West Europe) [New...](#)

Database server
[New...](#)

Database administrator username (must have permissions to create)
<Required>

Database administrator password
<Required>

[Export...](#) [Create](#) [Cancel](#)

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

 DemoWebApi1300 - Web Deploy.pubxml [Publish](#)

Azure App Service (Windows)

[+ New](#) [More actions](#)

Publish [?](#) [×](#)



Publish

Connection

Settings

DemoWebApi1300 - Web Deploy *

Configuration: Release

Target Framework: netcoreapp3.1

Deployment Mode: Framework-dependent

[Learn about deployment modes](#)

Target Runtime: Portable

[File Publish Options](#)

[Databases](#)

[Entity Framework Migrations](#)

ShoppingCartDbContext

☒ Apply this migration on publish

[Site Extensions Options](#)

< Prev

Next >

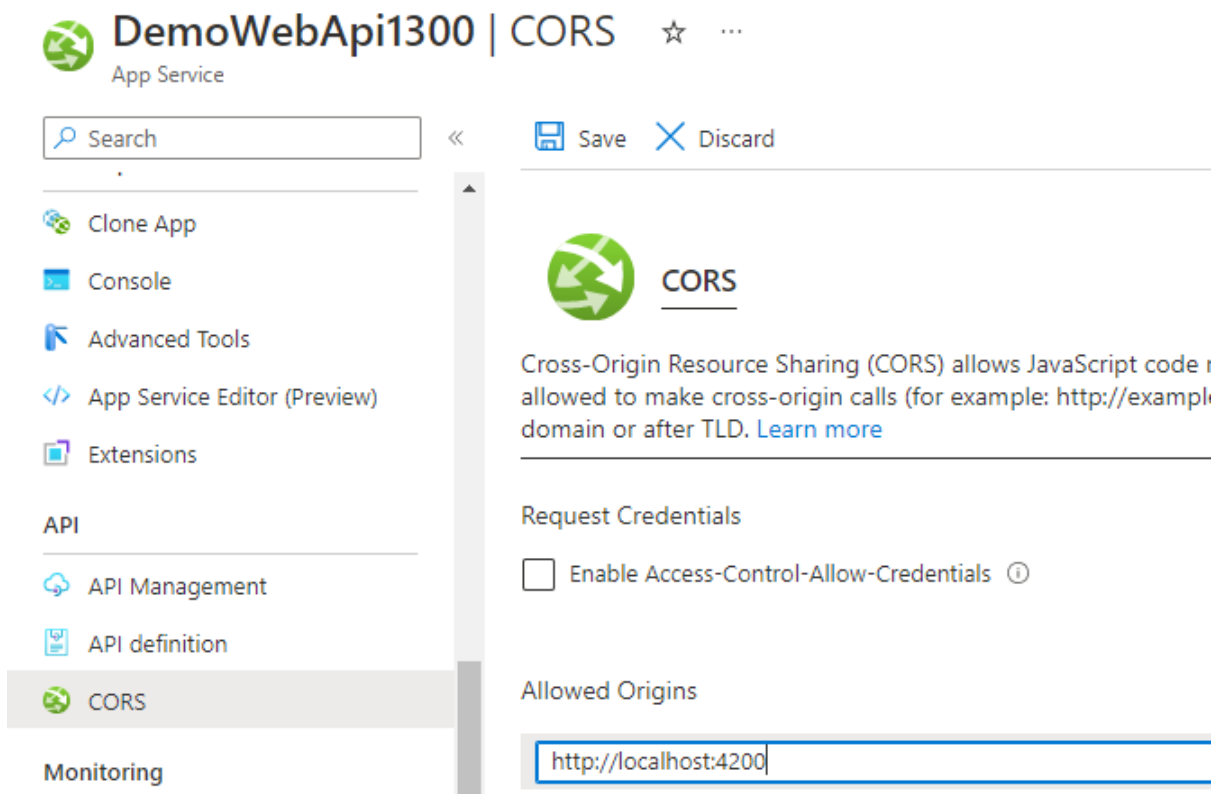
Save

Cancel

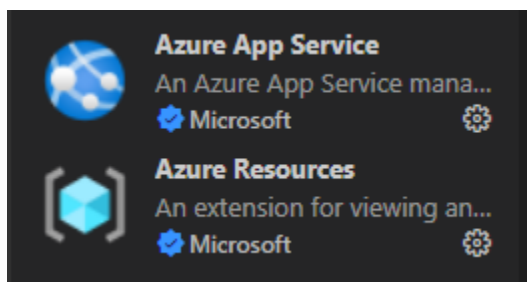
12. After this we are ready to publish !

③ Deploying Angular Web App from Visual Studio Code

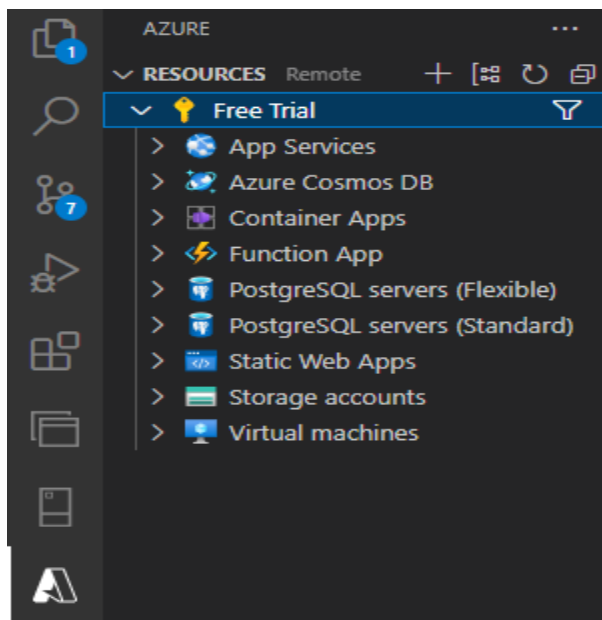
1. Open Angular frontend project in VS Code.
2. Paste URL of the web api wherever needed in VS code services.
3. Before trying out if connection is established , update CORS permission in the WEB API that we just deployed in azure.



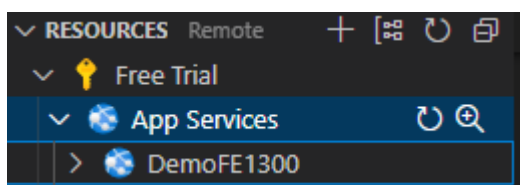
4. try running application using command “ng serve --configuration=production”
5. If it works , run command “ng build --configuration=production”.
6. Install Extensions as follows



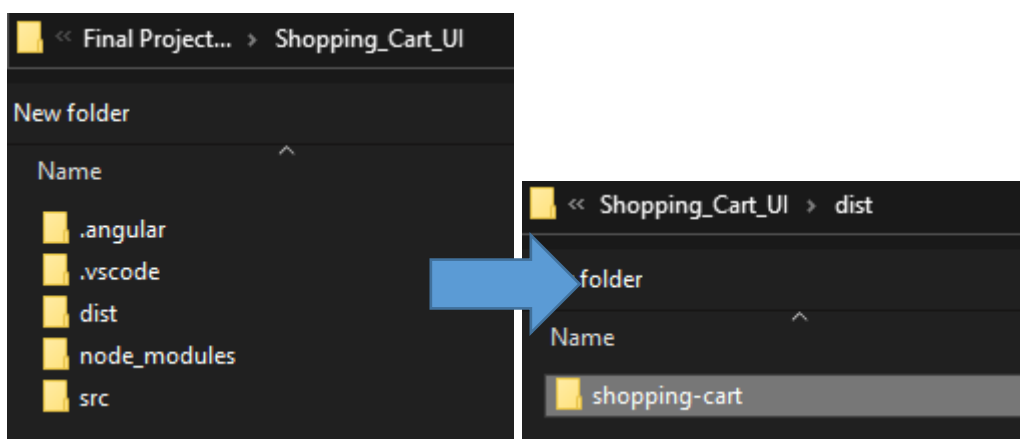
7. Connect with azure account .



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.



Cross-Origin Resource Sharing (CORS) allows JavaScript code running in a browser to be allowed to make cross-origin calls (for example: <http://example.com> domain or after TLD. [Learn more](#)

Request Credentials

☐ Enable Access-Control-Allow-Credentials ⓘ

Allowed Origins

<https://demofe1300.azurewebsites.net>

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