

LAB 2 – AZURE WEB APP

In this lab you are going to publish a .NET project on your web app. So, to do that, first you need to install Microsoft Visual Studio from the internet. If you have that then there is no need to install it. You are also required to sign in to the Microsoft Visual Studio with same account on which you are going to do this Lab.

The link to install Microsoft Visual Studio is.

<https://visualstudio.microsoft.com/downloads/>

😊 TO BEGIN WITH THE LAB

1. You need to create a web app. The process to create a web app is shown in the previous lab.
2. If you have done the previous lab then you can use the same web app for this practical.
3. Or you can just follow the images below to create a new web app.

Basics Database Deployment Networking Monitoring Tags Review + create

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ ▼

Resource Group * ⓘ ▼
[Create new](#)

Instance Details

Name * .azurewebsites.net

Publish * Code Docker Container Static Web App

Runtime stack * ▼

Operating System * Linux Windows

Region * ▼

ⓘ Not finding your App Service Plan? Try a different region or select your App Service Environment.

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more ↗](#)

Windows Plan (North Europe) * ⓘ

ASP-appgrp-92c8 (F1)



[Create new](#)

Pricing plan

Free F1 (Shared infrastructure)

Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. This is a deployment time only decision. You can't make an App Service plan zone redundant after it has been deployed [Learn more ↗](#)

Zone redundancy

- Enabled:** Your App Service plan and the apps in it will be zone redundant. The minimum App Service plan instance count will be three.
- Disabled:** Your App Service Plan and the apps in it will not be zone redundant. The minimum App Service plan instance count will be one.

[Review + create](#)

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Basics

Database

Deployment

Networking

Monitoring

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Azure Monitor application insights is an Application Performance Management (APM) service for developers and DevOps professionals. Enable it below to automatically monitor your application. It will detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app. Your bill is based on amount of data used by Application Insights and your data retention settings. [Learn more ↗](#)

[App Insights pricing ↗](#)

Application Insights

Enable Application Insights *

No Yes

Application Insights *

(New) demo12345432 (North Europe)

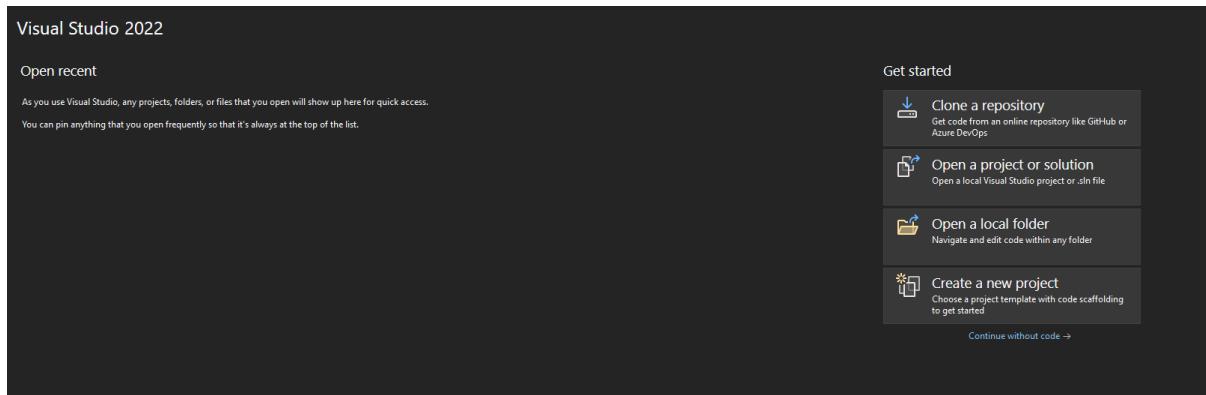


[Create new](#)

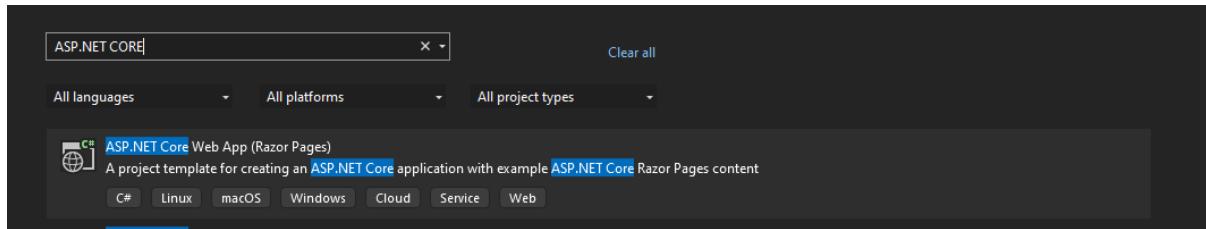
Region

North Europe

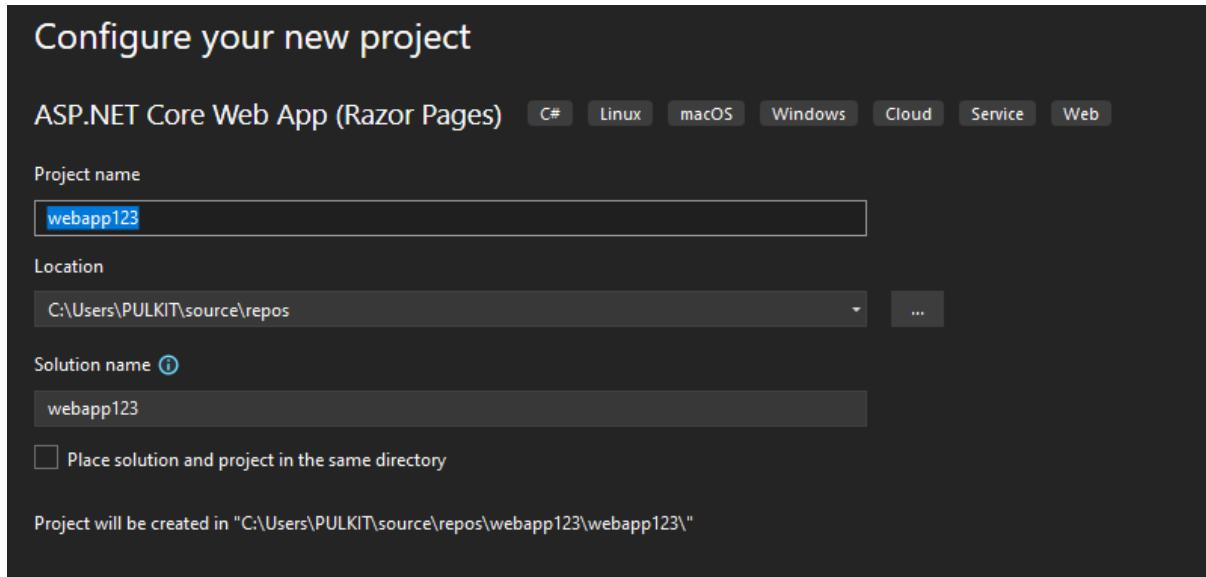
4. Afterwards just go to review page and create you web app.
5. Once your app is deployed and is in running state.
6. Now you can open Microsoft Visual Studio.
7. Here you need to click on Create a new project.



8. Now you need to search ASP.NET CORE, and select the first one.



9. Now you need to give it a name, then move to next page.



10. It'll give you some additional information about the framework and all the other things keep those to default and hit on the create button.

Additional information

ASP.NET Core Web App (Razor Pages) C# Linux macOS Windows Cloud Service Web

Framework ⓘ

.NET 8.0 (Long Term Support)

Authentication type ⓘ

None

Configure for HTTPS ⓘ

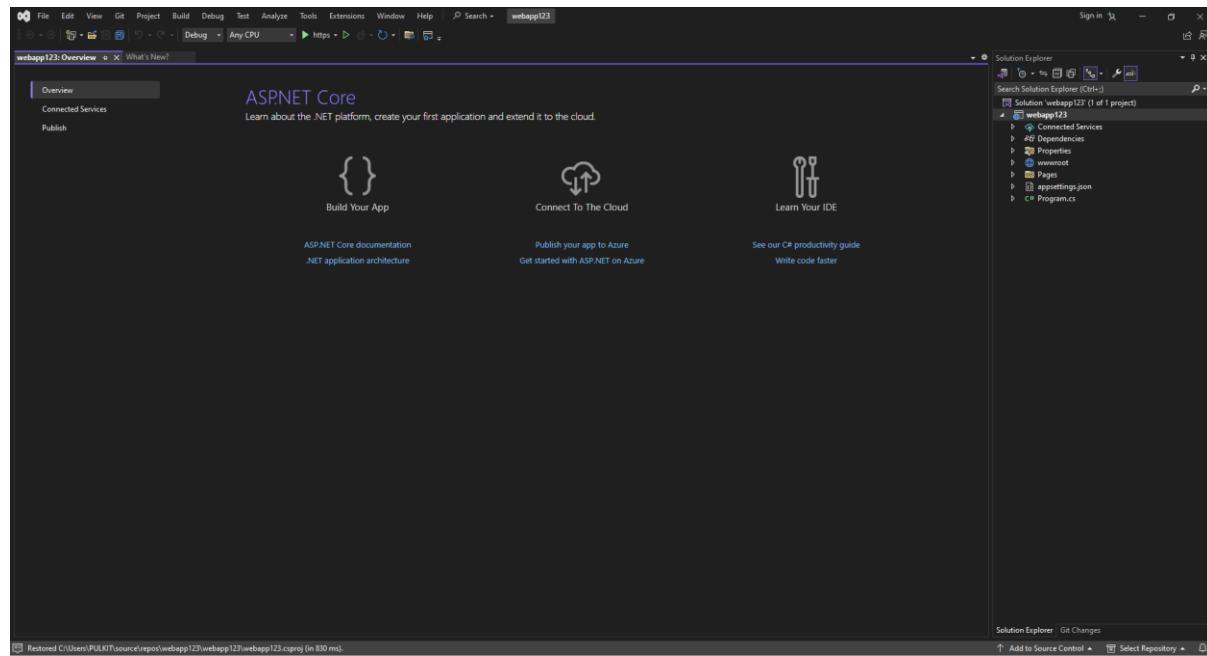
Enable Docker ⓘ

Docker OS ⓘ

Linux

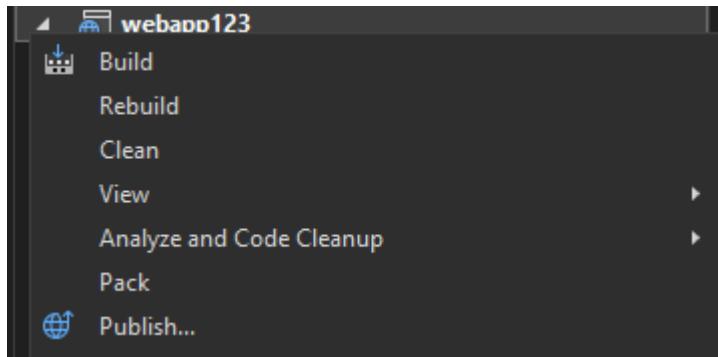
Do not use top-level statements ⓘ

11. Hence, your project is created.

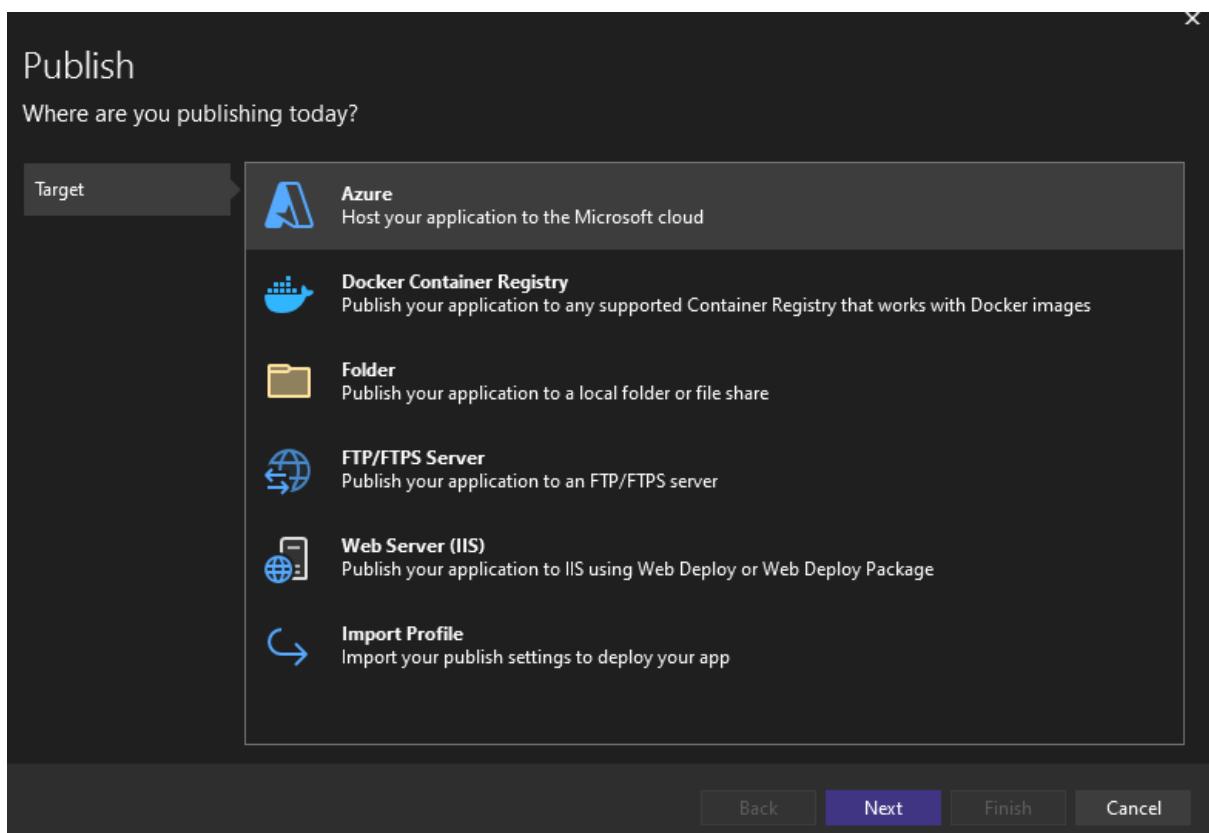


12. As, you can see your project, but for the time being you do not need to focus on your project. You have to focus on publishing your project.

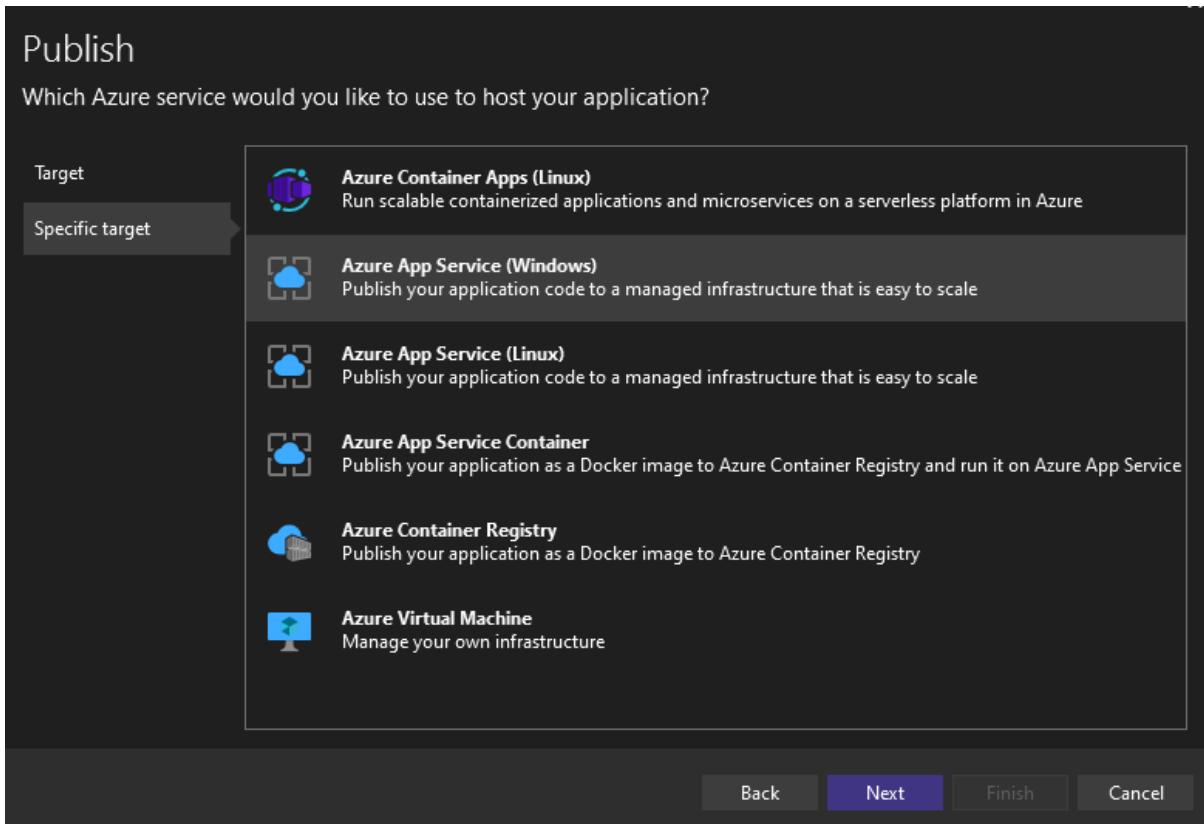
13. For that, on the right-hand side, on your project, right click on it and then click on publish.



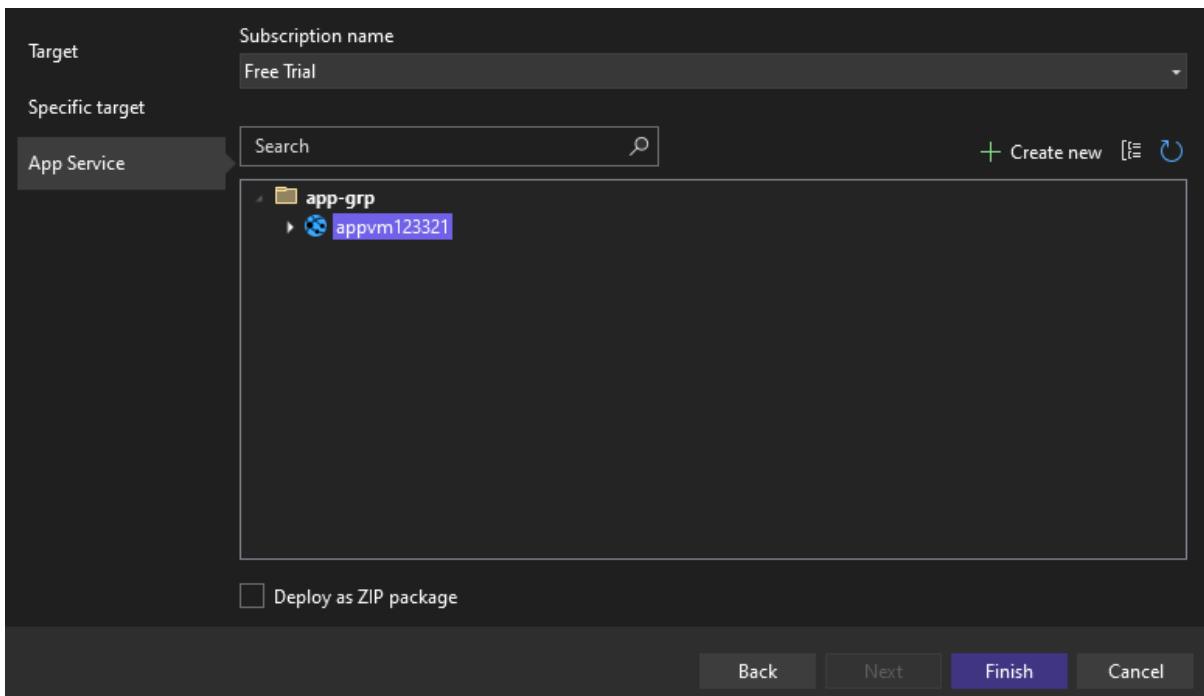
14. Now select your target as Azure, as you are working on it currently.



15. Now you need to select Azure App Services for windows.

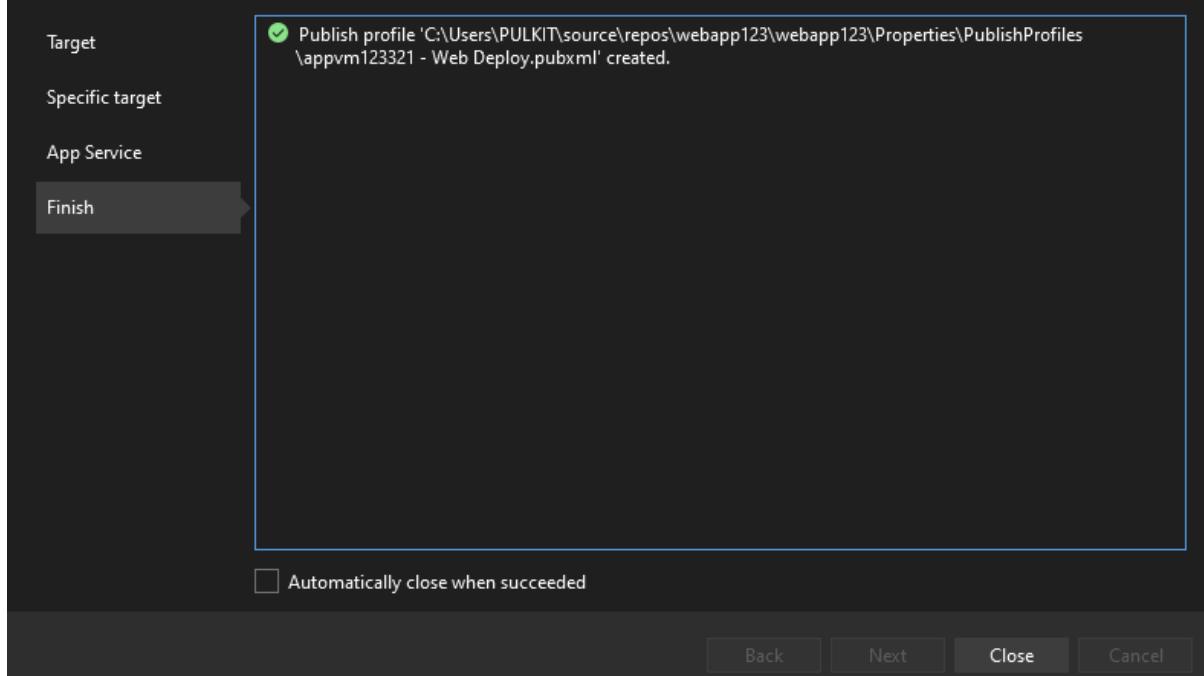


16. Then you can see that your account has popped up now your need to select your account and click on finish



17. Once you have all the above steps, now it'll say that publish profile has been create, now you just have to publish your project.

Publish profile creation progress



18. As, you can see here you can now publish your project to your web app.

The screenshot shows the Azure App Service (Windows) publishing interface. At the top, it displays the profile name "appvm123321 - Web Deploy.pubxml" and the deployment target "Azure App Service (Windows)". There are buttons for "New profile", "More actions", and a prominent blue "Publish" button. A message bar at the top says "Ready to publish." Below this, the "Settings" section shows configuration details: "Configuration" (Release), "Target Framework" (net8.0), "Deployment Mode" (Framework-dependent), and "Target Runtime" (Portable). A link "Show all settings" is also present. The "Hosting" section lists "Subscription" (9acac69d-f5ab-4d7e-9feb-ac0e3ea4372f), "Resource group" (app-grp), and "Resource name" (appvm123321). The "Site" URL is shown as <https://appvm123321.azurewebsites.net>. The "Service Dependencies" section indicates "There are currently no service dependencies configured." and includes a "Add a service dependency" link. At the bottom right of the interface are several small icons: a plus sign, a circular arrow, a square, and three dots.

19. Once your project is published, go back to the portal, there you need to go to your web app and copy your default domain.
20. Then paste it in a new tab.
21. You will see that your project has been published successfully.

