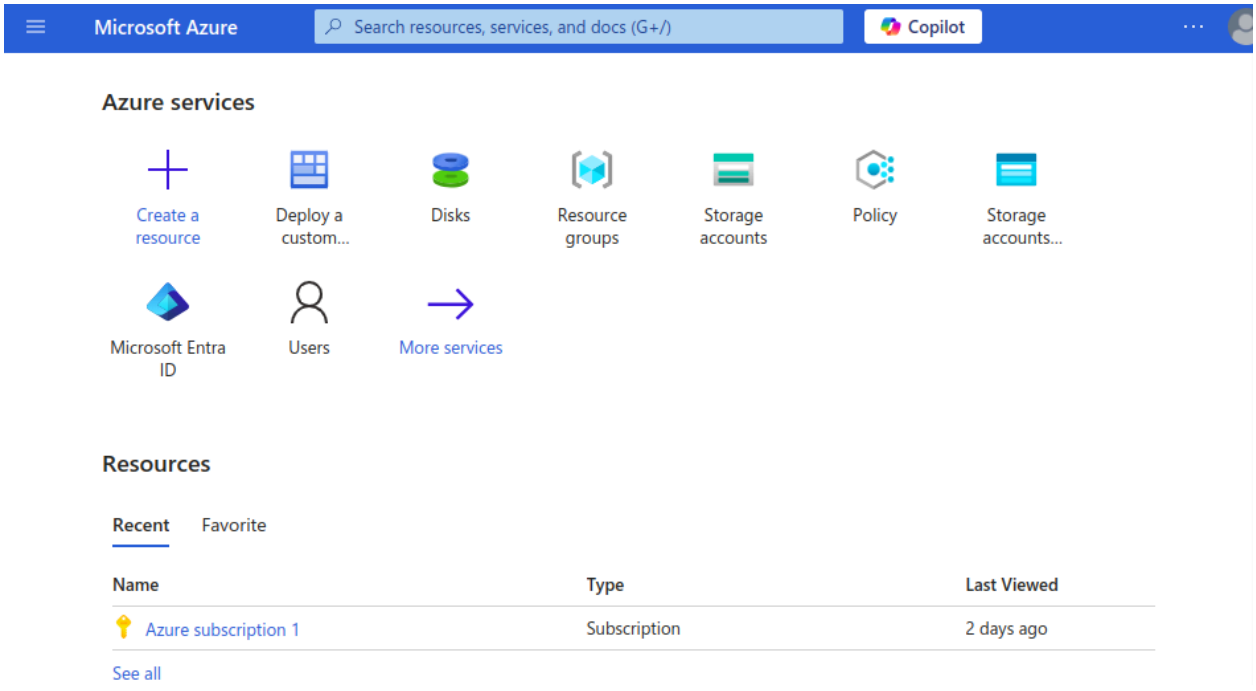
AZ-104-Microsoft Azure Administrator Kateryna Bakhmat

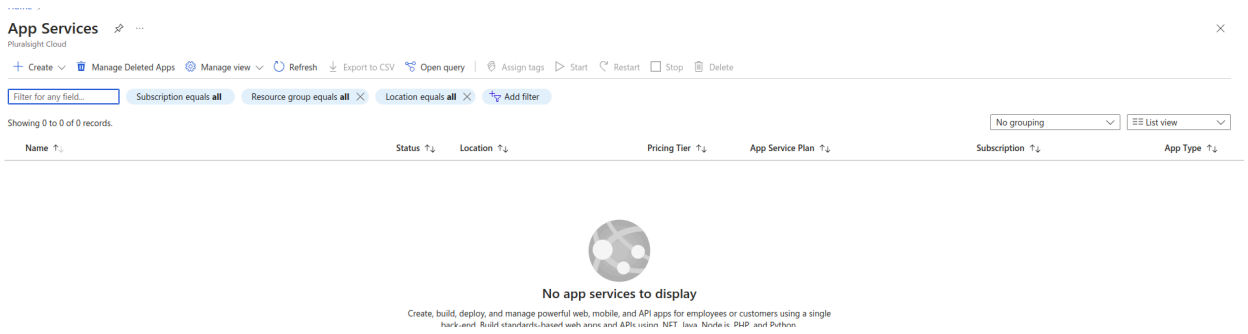
Lab 09a - Implement Web Apps

Task 1: Create and configure an Azure web app

1.Sign in to the Azure portal - https://portal.azure.com.

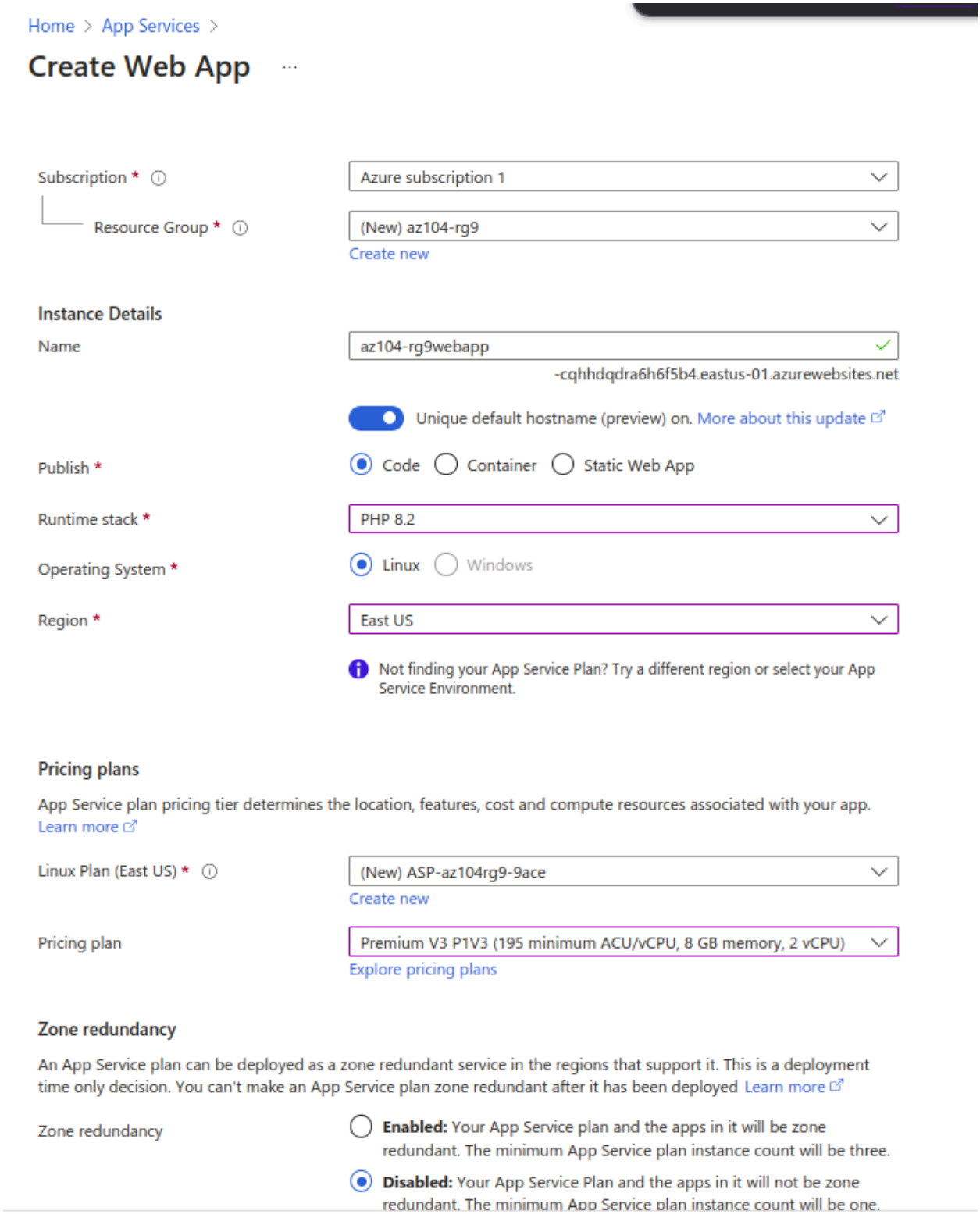


2.Search for and select App services.



3.Select + Create, from drop-down menu, Web App. Notice the other choices.

4.On the Basics tab of the Create Web App blade, specify the following settings (leave others with their default values):



5.Click Review + create, and then Create.

Home > App Services >

Create Web App ...

Basics | Deployment | Networking | Monitor + secure | Tags | **Review + create**

Summary

Web App
by Microsoft

Premium V3 (P1V3) sku
Estimated price - loading ...

Basic authentication for this app is currently disabled and may impact deployments. Click to learn more.

Details

Subscription	f80303f7-6763-4988-a828-9a2836f89e14
Resource Group	az104-rg9
Name	az104-rg9webapp
Unique default hostname (preview)	Enabled
Publish	Code
Runtime stack	PHP 8.2

App Service Plan (New)

Name	ASP-az104rg9-9ace
Operating System	Linux
Region	East US
SKU	Premium V3
Size	Small
ACU	195 minimum ACU/vCPU
Memory	8 GB memory

Monitor + secure

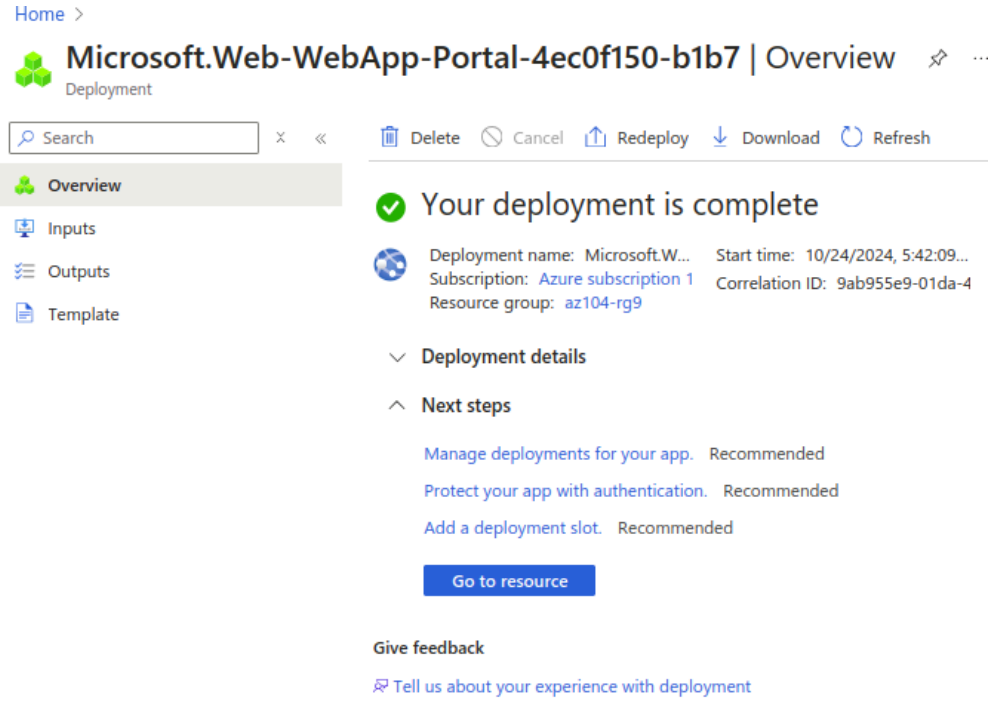
Application Insights	Not enabled

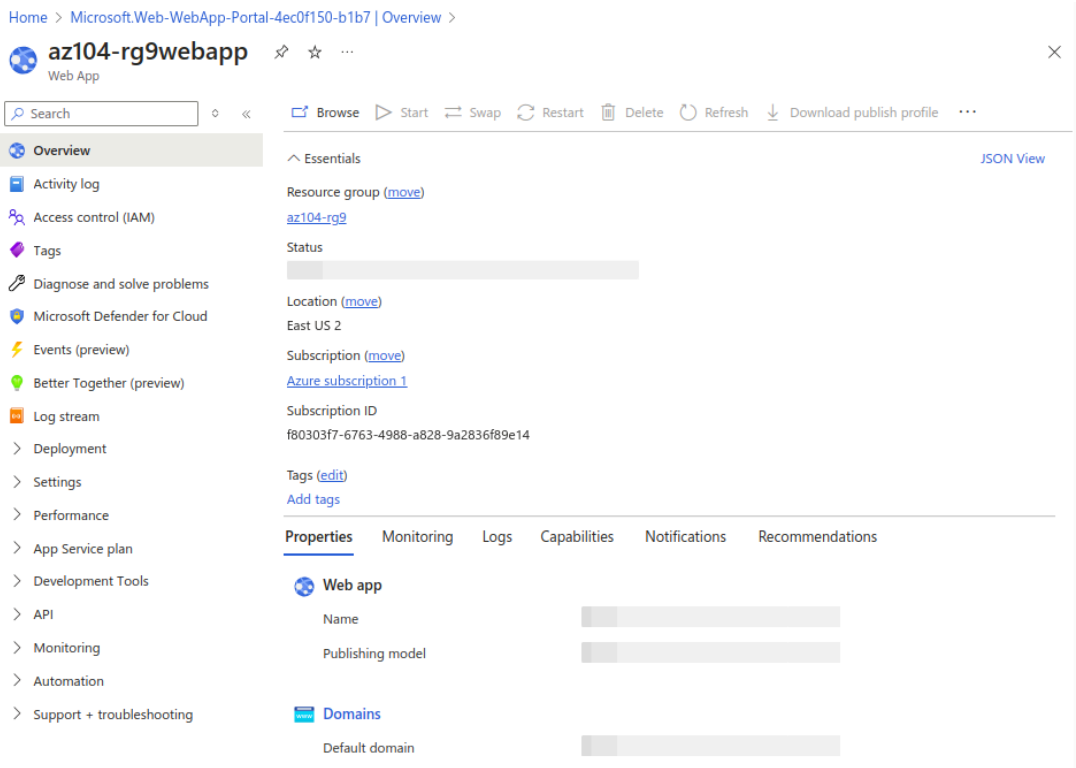
Deployment

Basic authentication	Disabled
Continuous deployment	Not enabled / Set up after app creation

Create | < Previous | Next > | Download a template for automation

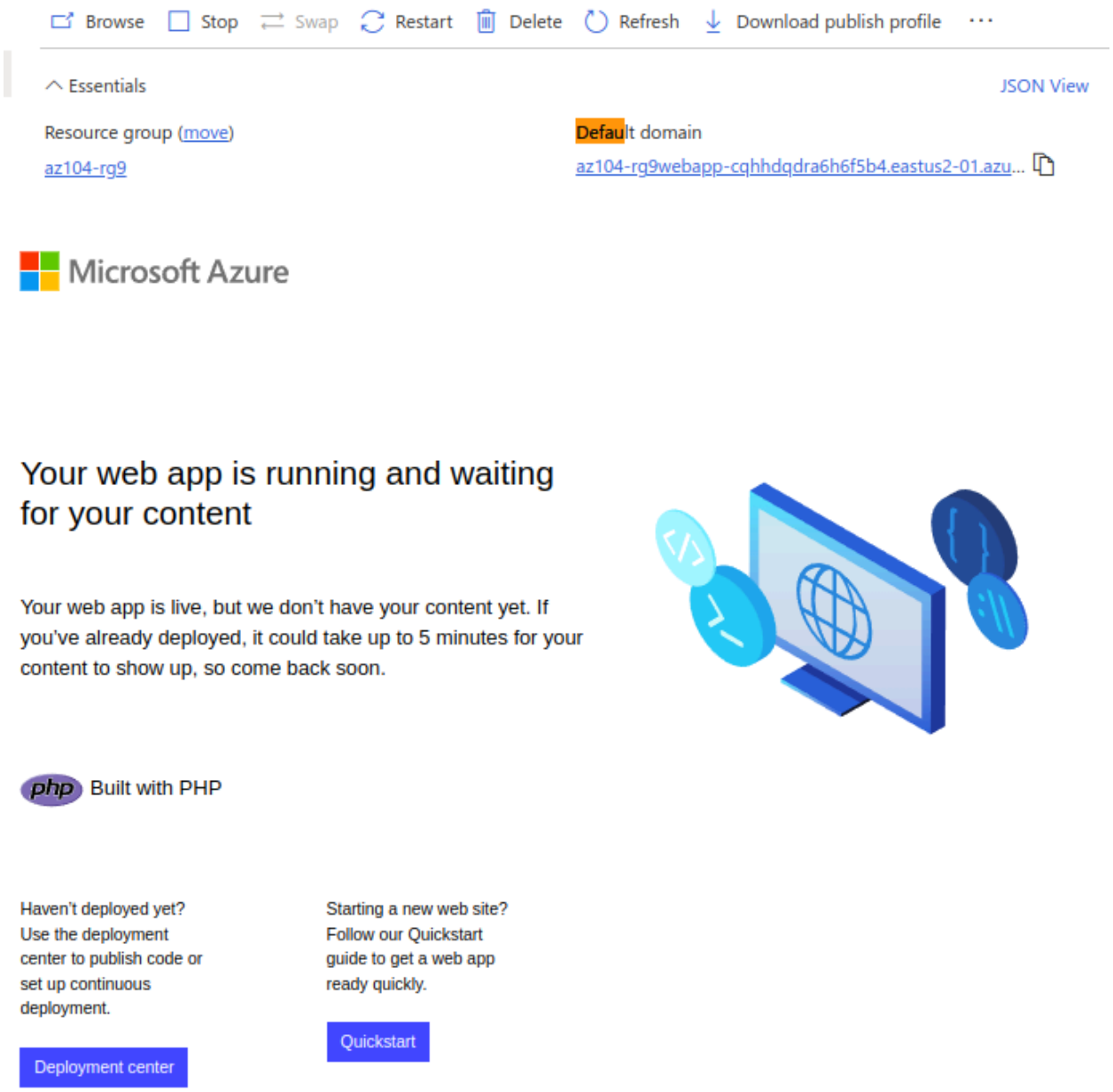
6.After the deployment, select Go to resource.



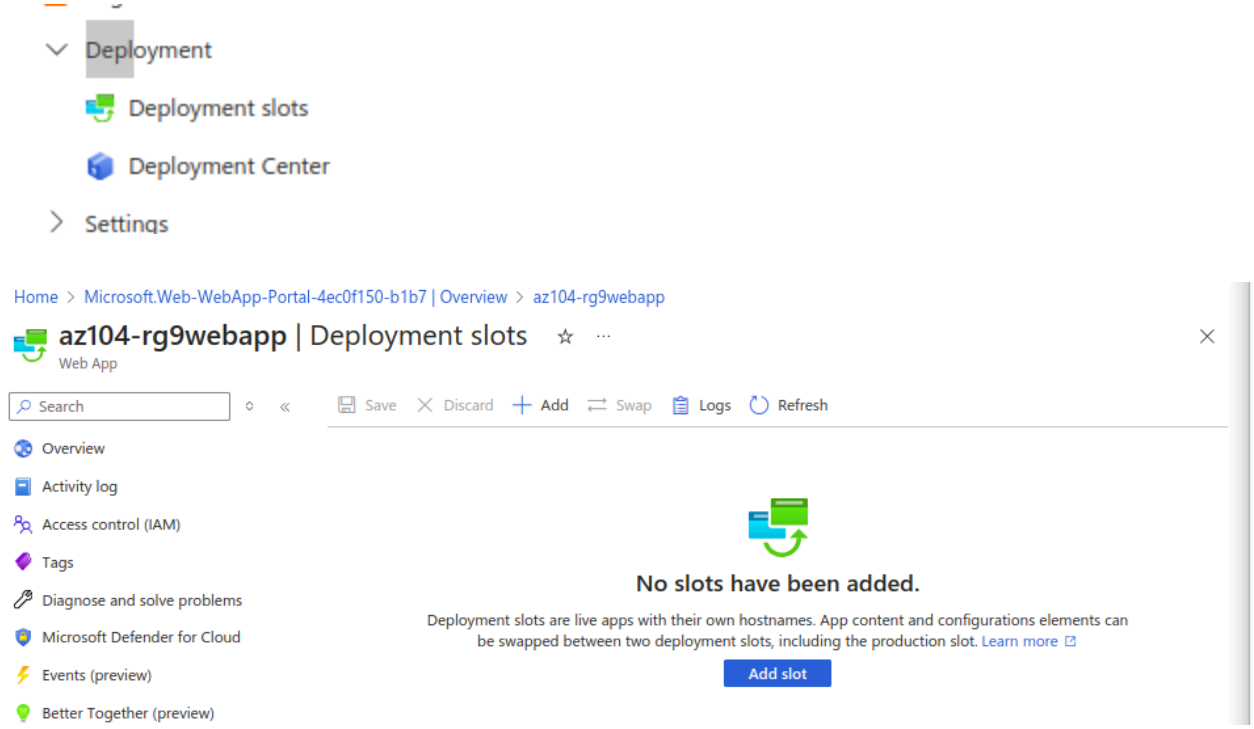


Task 2: Create and configure a deployment slot

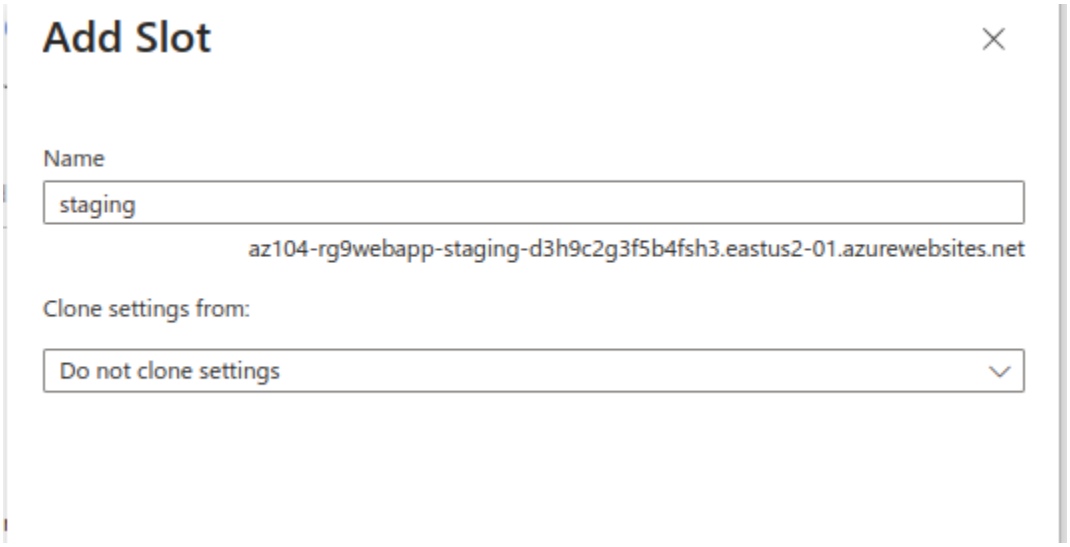
1.On the blade of the newly deployed Web App, click the Default domain link to display the default web page in a new browser tab.



2.Close the new browser tab and, back in the Azure portal, in the Deployment section of the Web App blade, click Deployment slots.

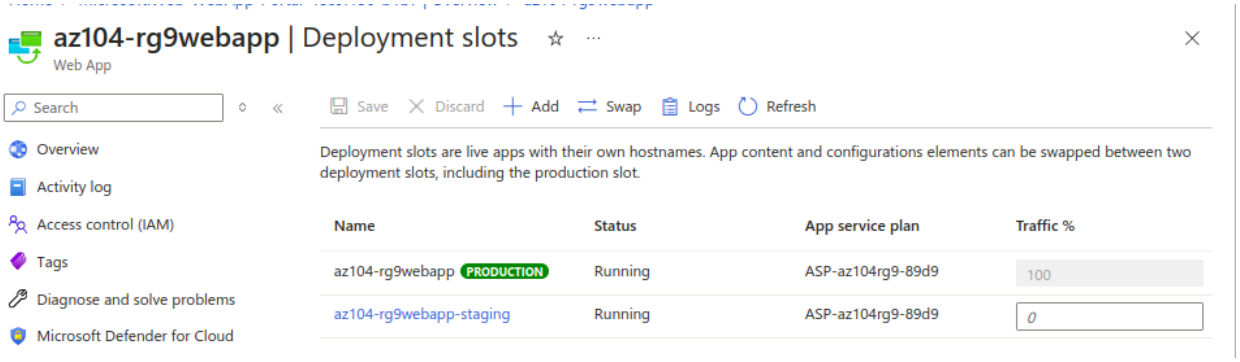


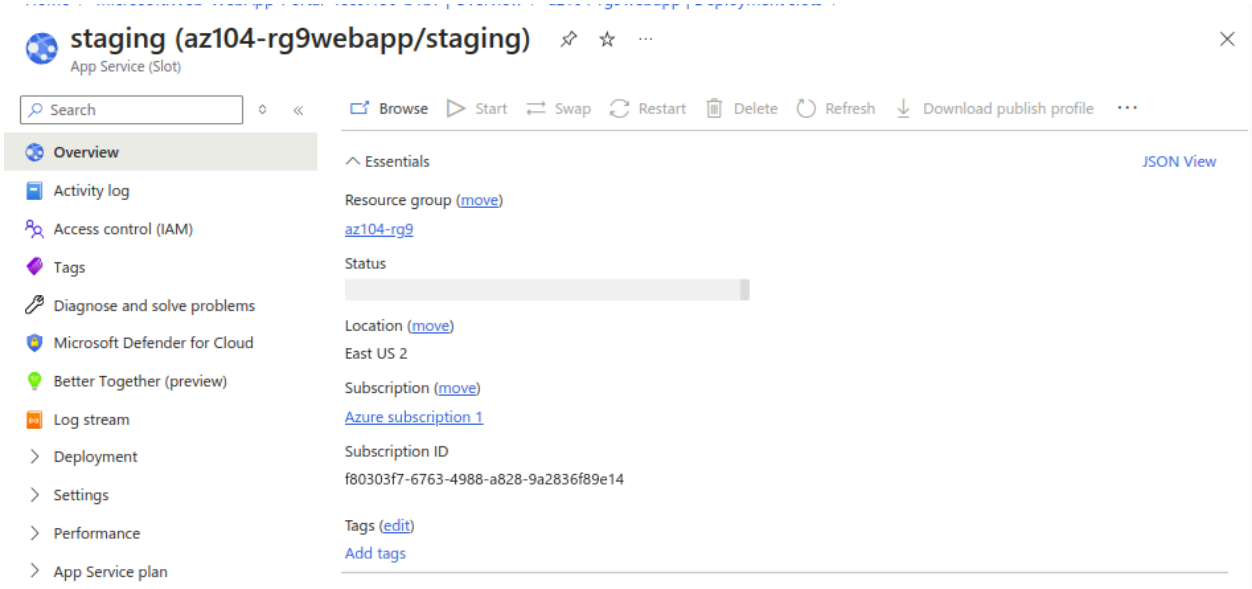
3.Click Add slot, and add a new slot with the following settings:



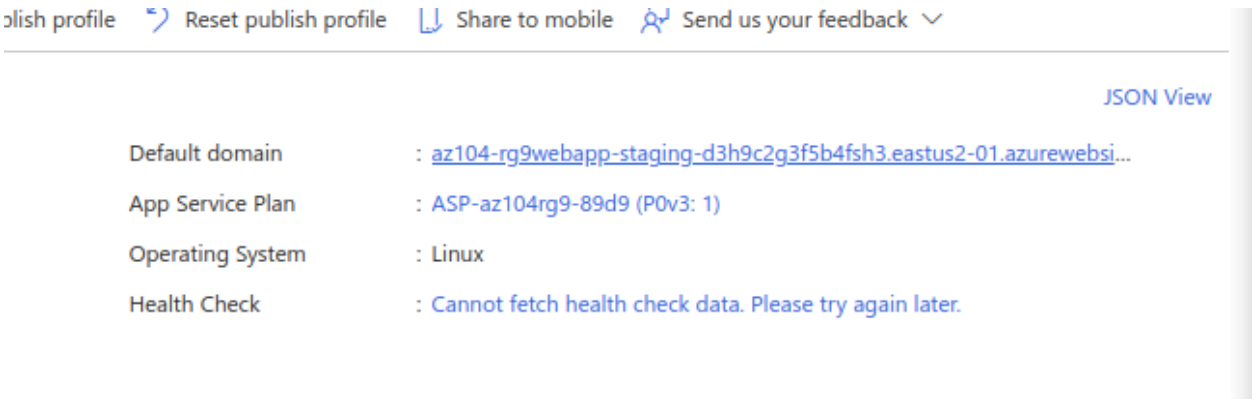
4.Select Add.

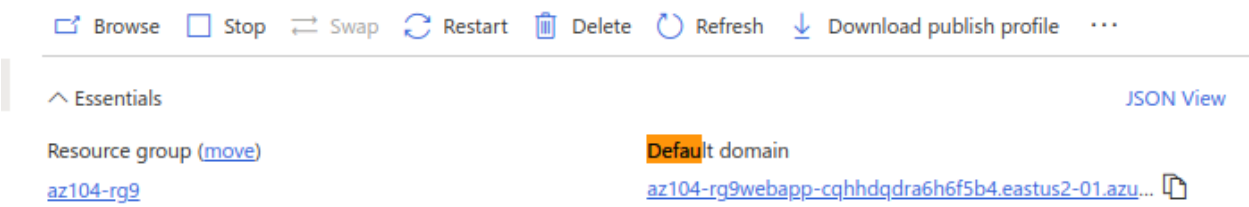
5.Back on the Deployment slots blade of the Web App, click the entry representing the newly created staging slot.





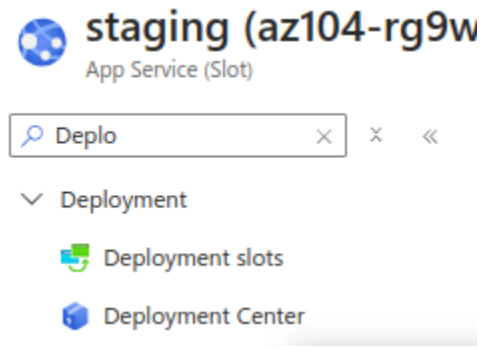
6.Review the staging slot blade and note that its URL differs from the one assigned to the production slot.

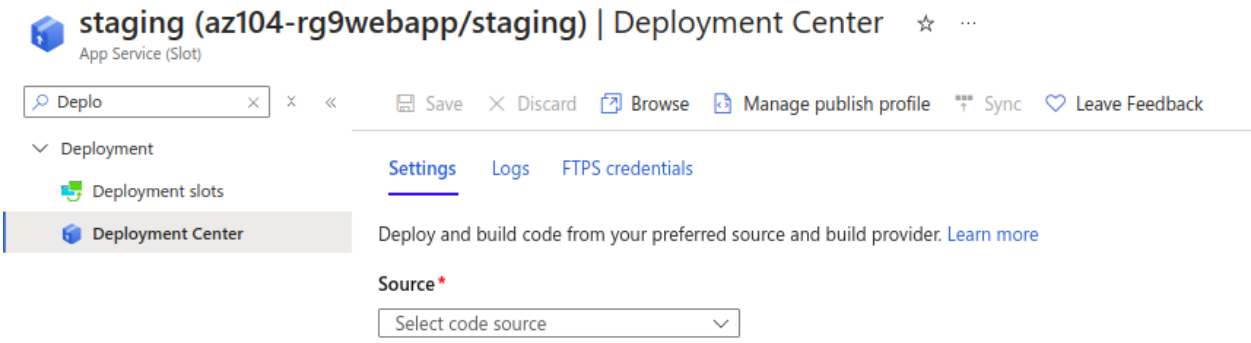




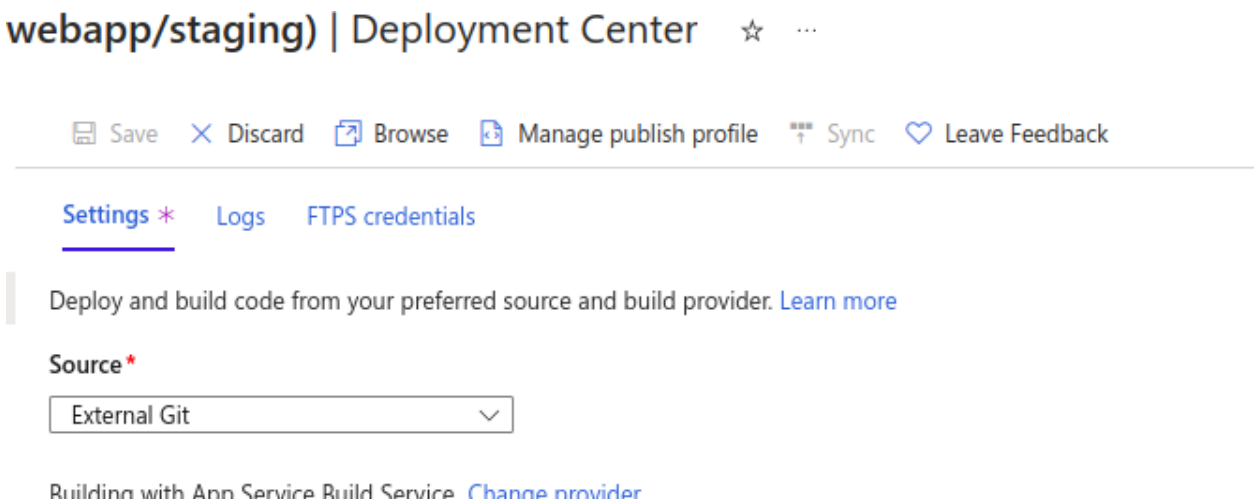
Task 3: Configure Web App deployment settings

1.In the staging slot, select Deployment Center and then select Settings.



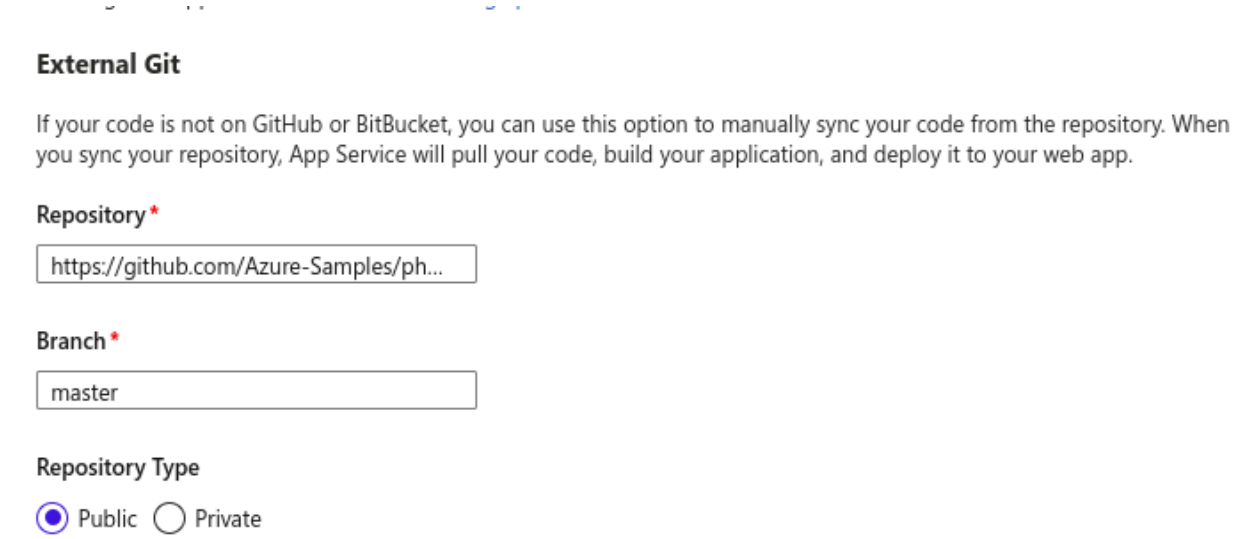


2.In the Source drop-down list, select External Git. Notice the other choices.

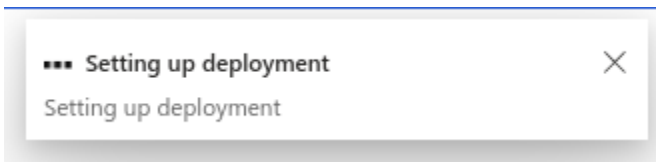


3.In the repository field, enter https://github.com/Azure-Samples/php-docs-hello-world

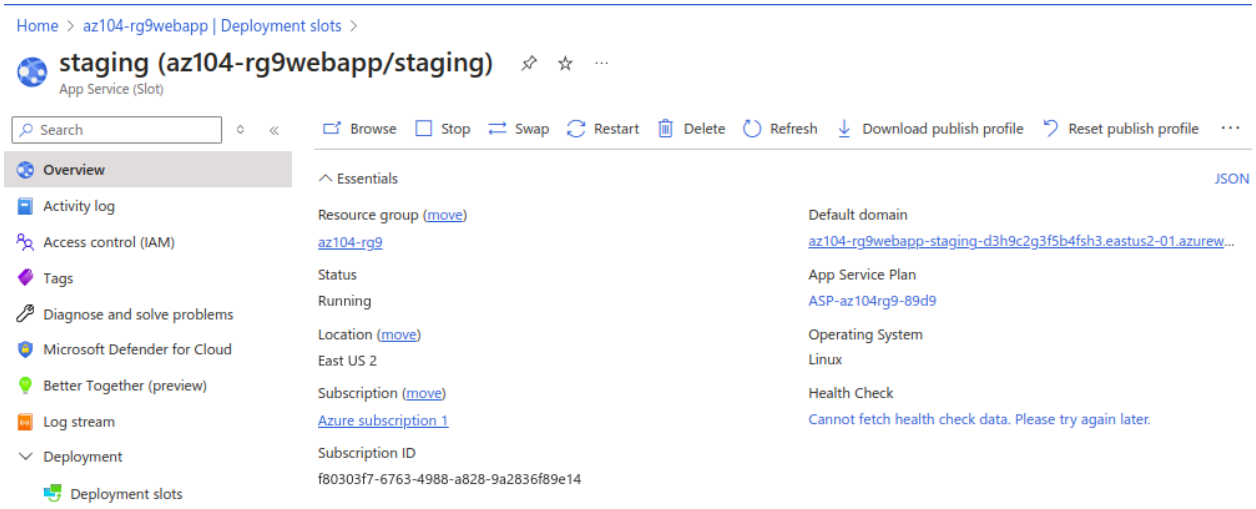
4.In the branch field, enter master.



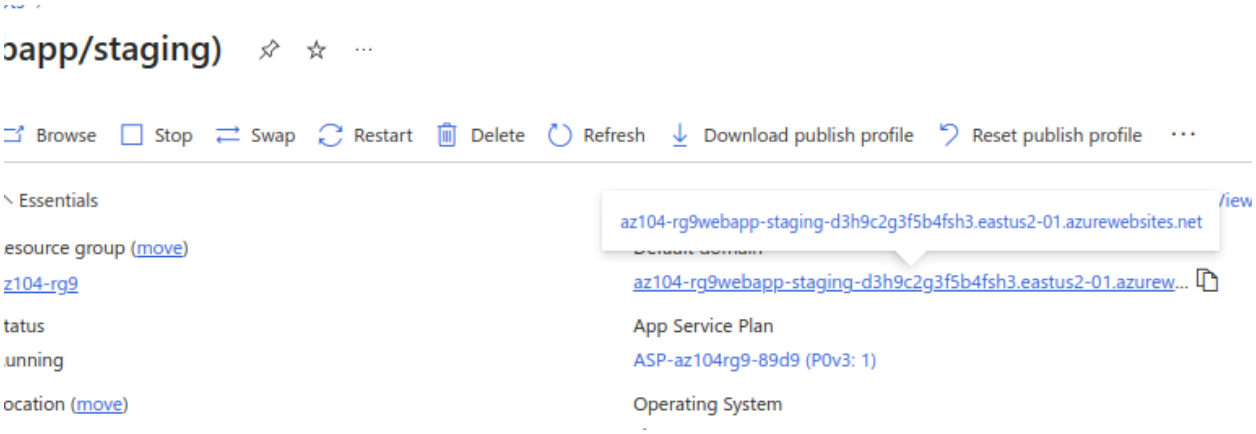
5.Select Save.



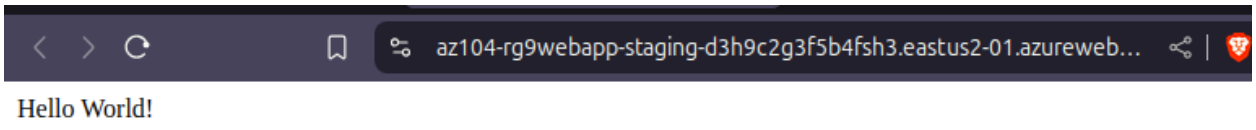
6.From the staging slot, select Overview.



7.Select the Default domain link, and open the URL in a new tab.

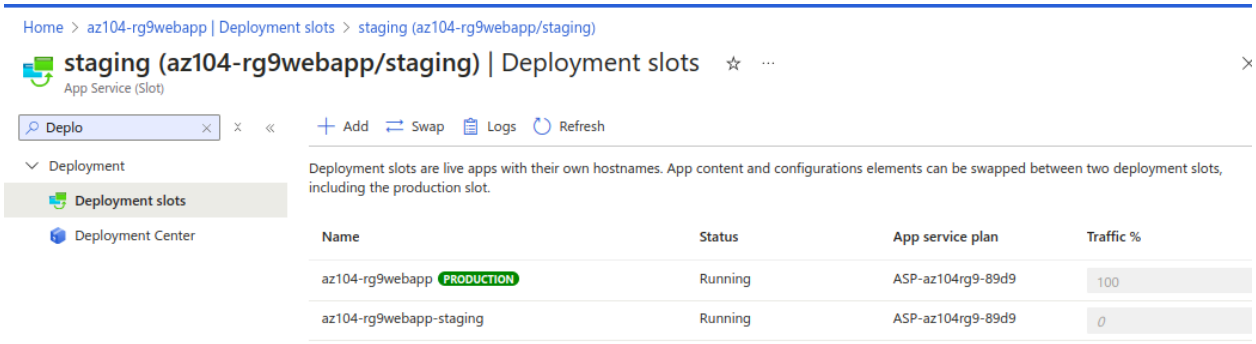


8.Verify that the staging slot displays Hello World.



Task 4: Swap deployment slots

1.Navigate back to the Deployment slots blade, and then select Swap.



2.Review the default settings and click Start Swap.

Swap

Source

az104-rg9webapp-staging

Target PRODUCTION

az104-rg9webapp

Swap with preview can only be used with sites that have deployment slot settings enabled.

Perform swap with preview

Config Changes

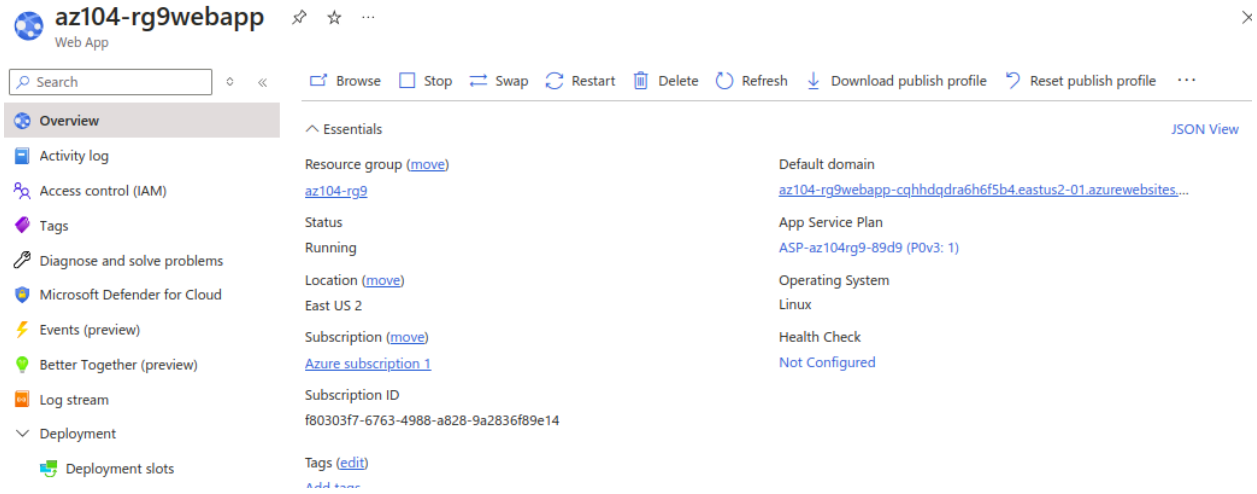
This is a summary of the final set of configuration changes on the source and target deployment slots after the swap has completed.

Source slot changes | Target slot changes

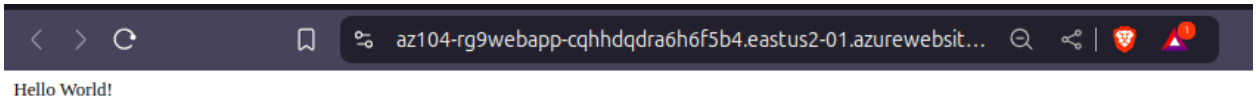
Setting	Type	Old Value	New Value
No Changes			

Start Swap | Close

3.On the Overview blade of the Web App select the Default domain link to display the website home page.

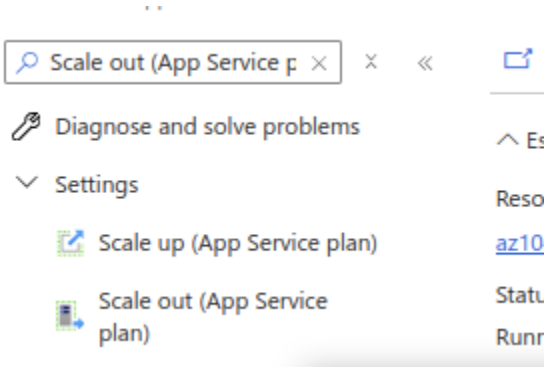


4.Verify the production web page displays the Hello World! page.

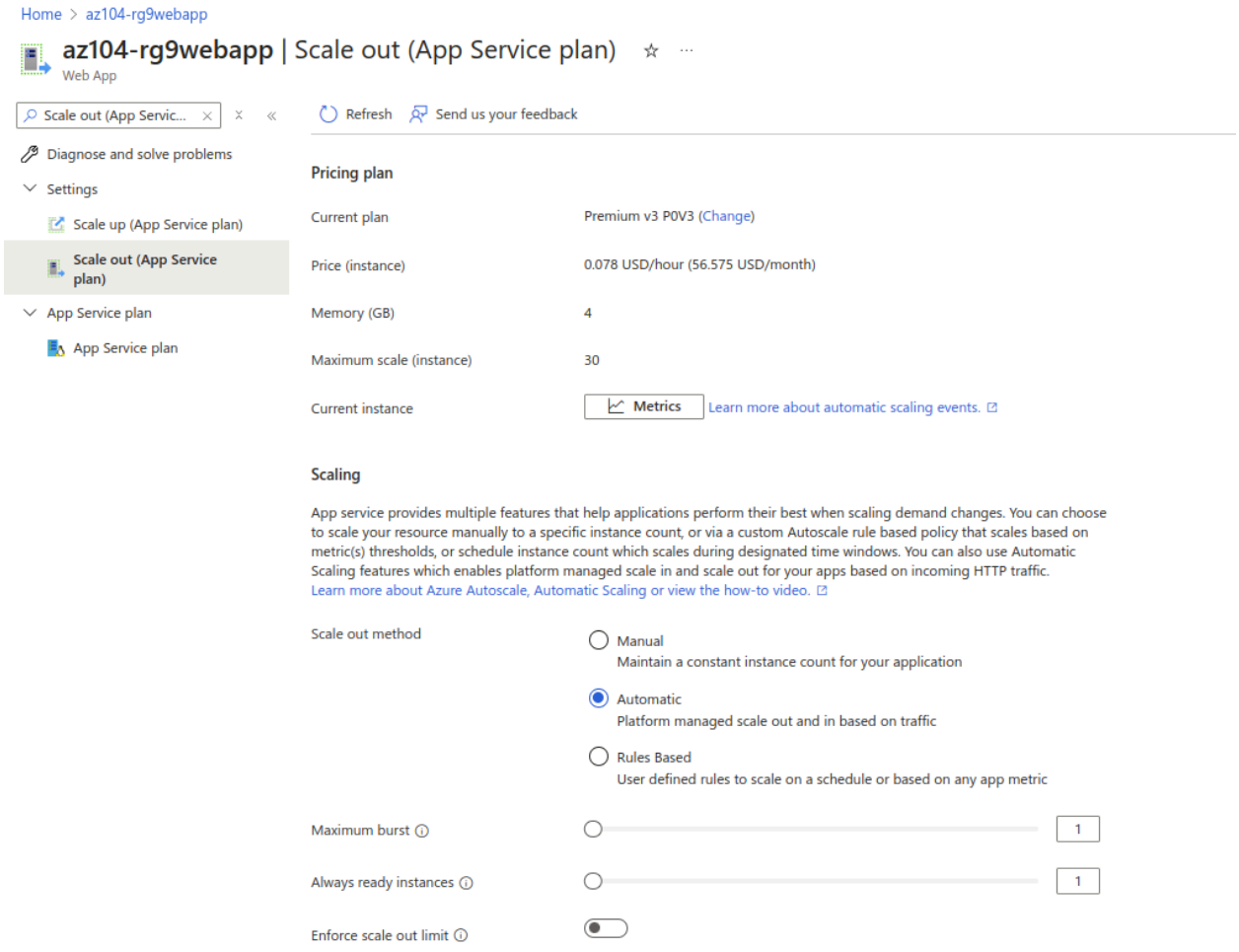


Task 5: Configure and test autoscaling of the Azure Web App

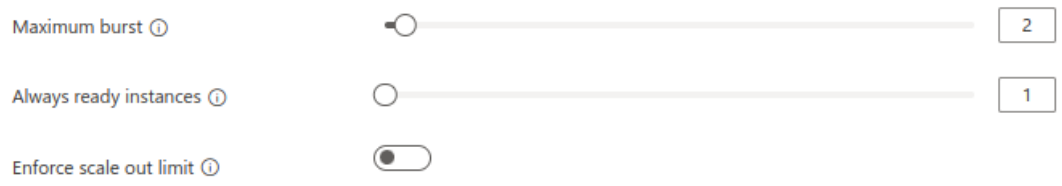
1.In the Settings section, select Scale out (App Service plan).



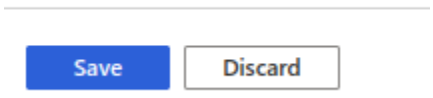
2.From the Scaling section, select Automatic. Notice the Rules Based option. Rules based scaling can be configured for different app metrics.



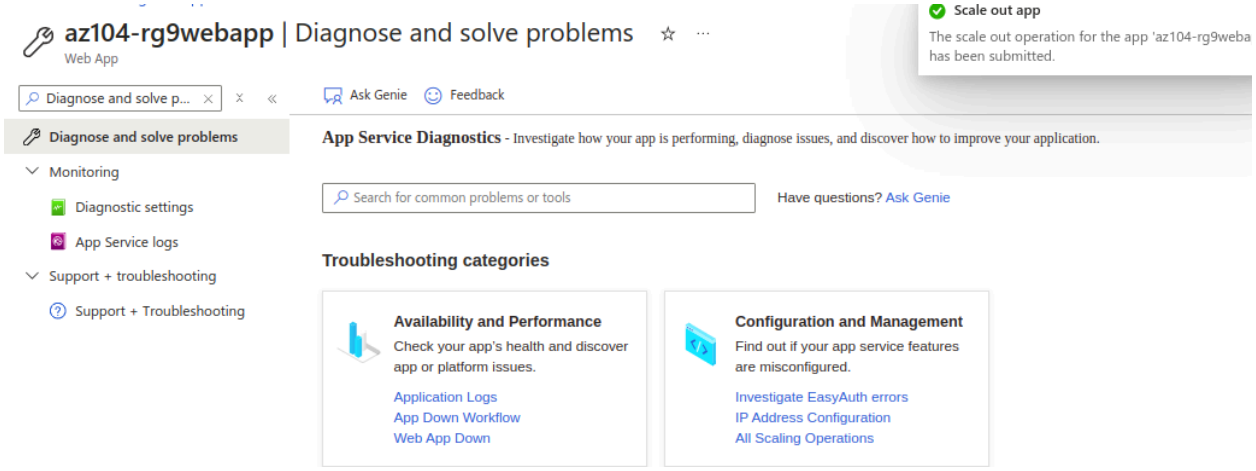
3.In the Maximum burst field, select 2.



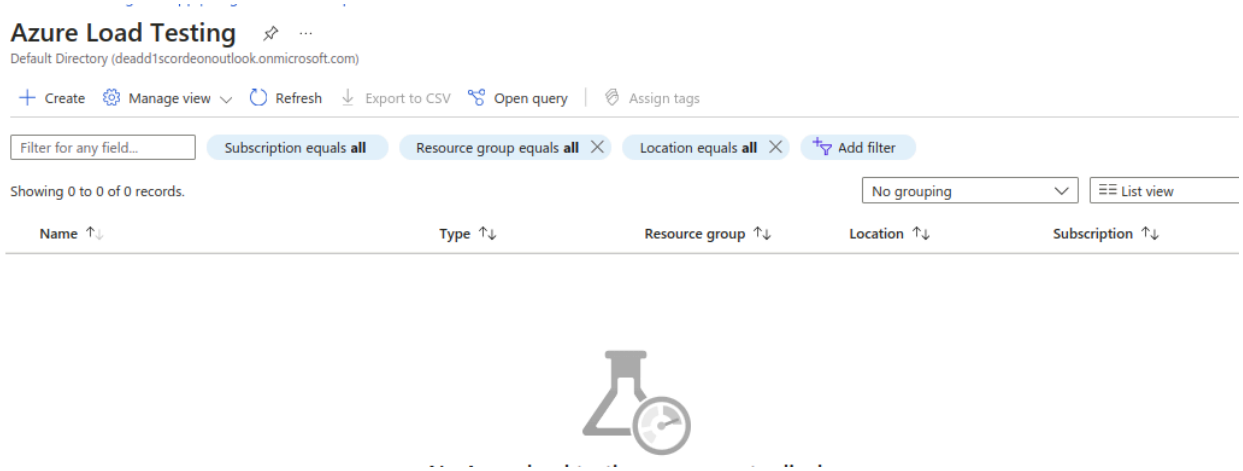
4.Select Save.



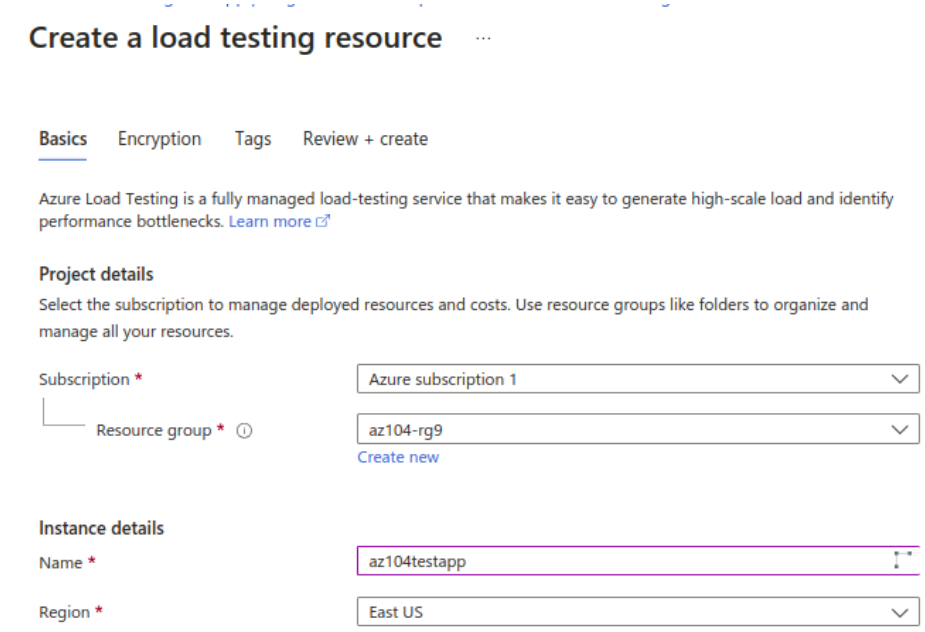
5. Select Diagnose and solve problems (left pane).



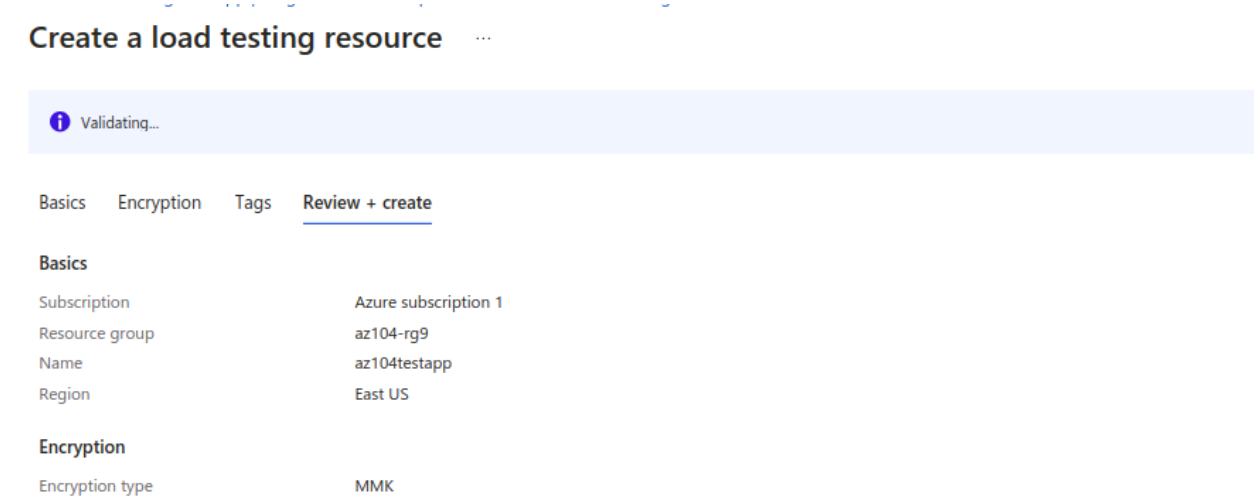
6.In the Load Test your App box, select Create Load Test.



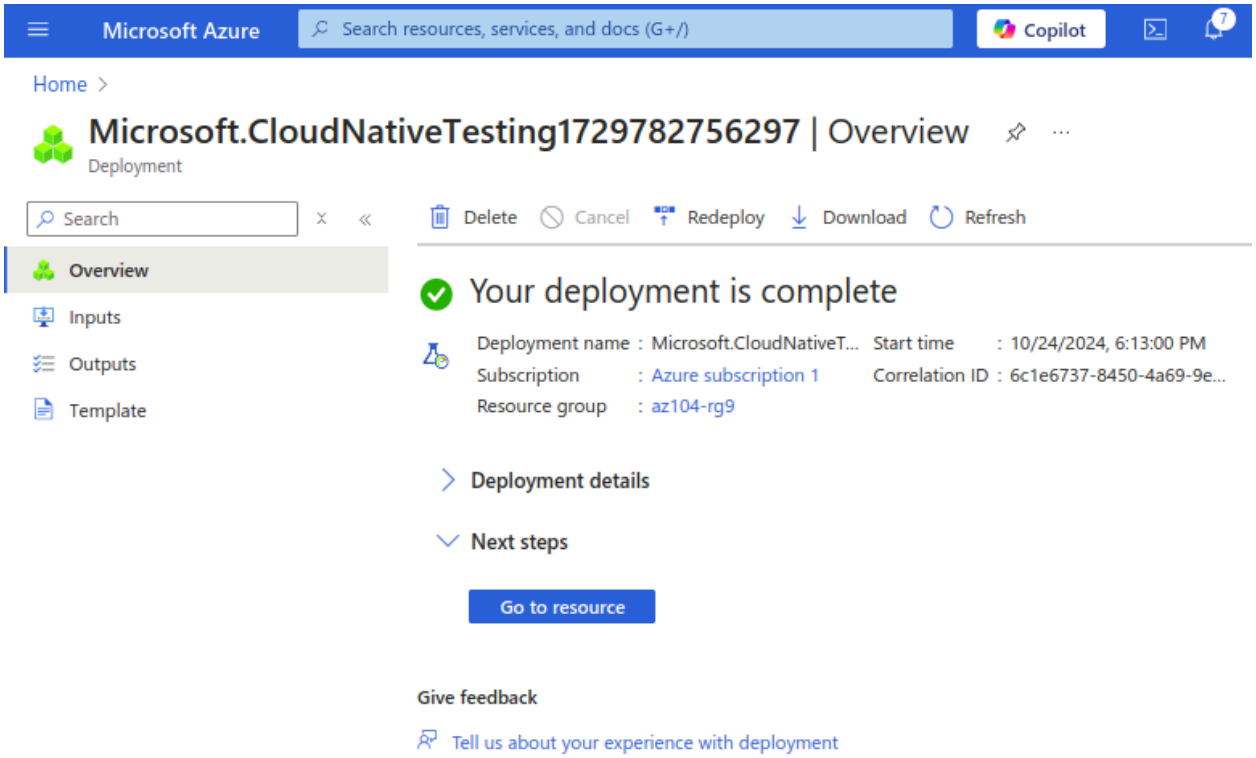
Select + Create and give your load test a name. The name must be unique.



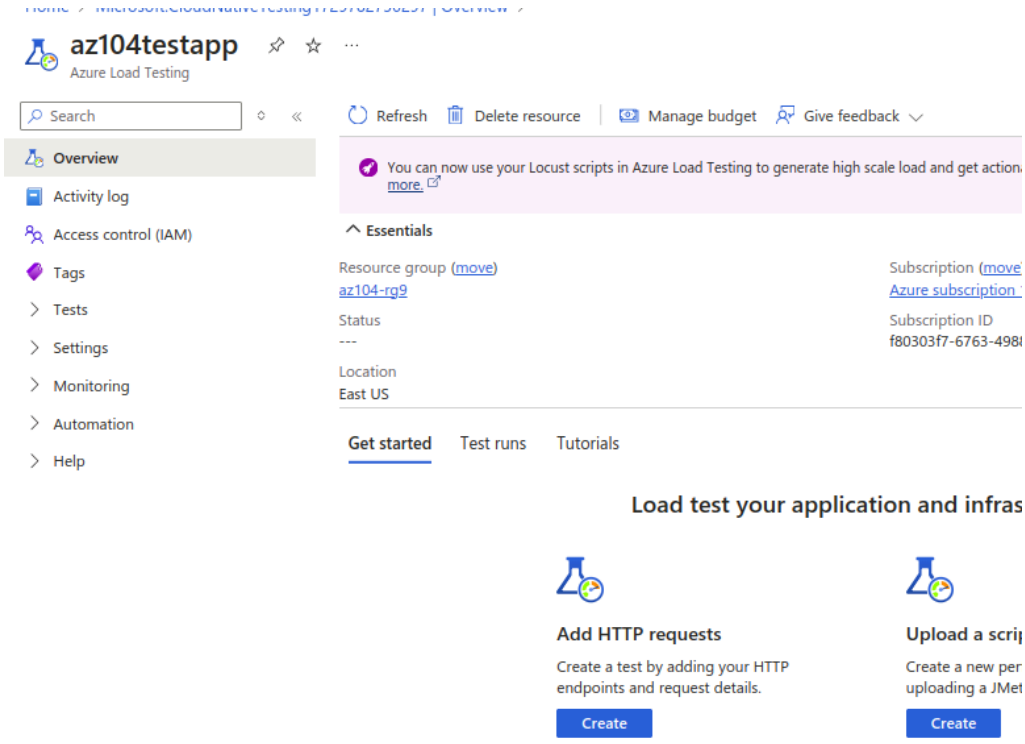
Select Review + create and then Create.



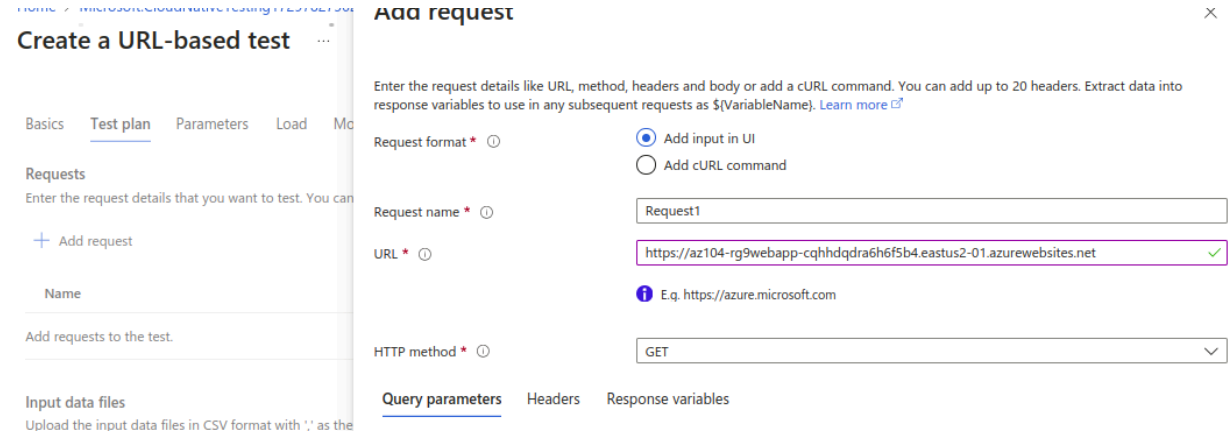
7.Wait for the load test to create, and then select Go to resource.



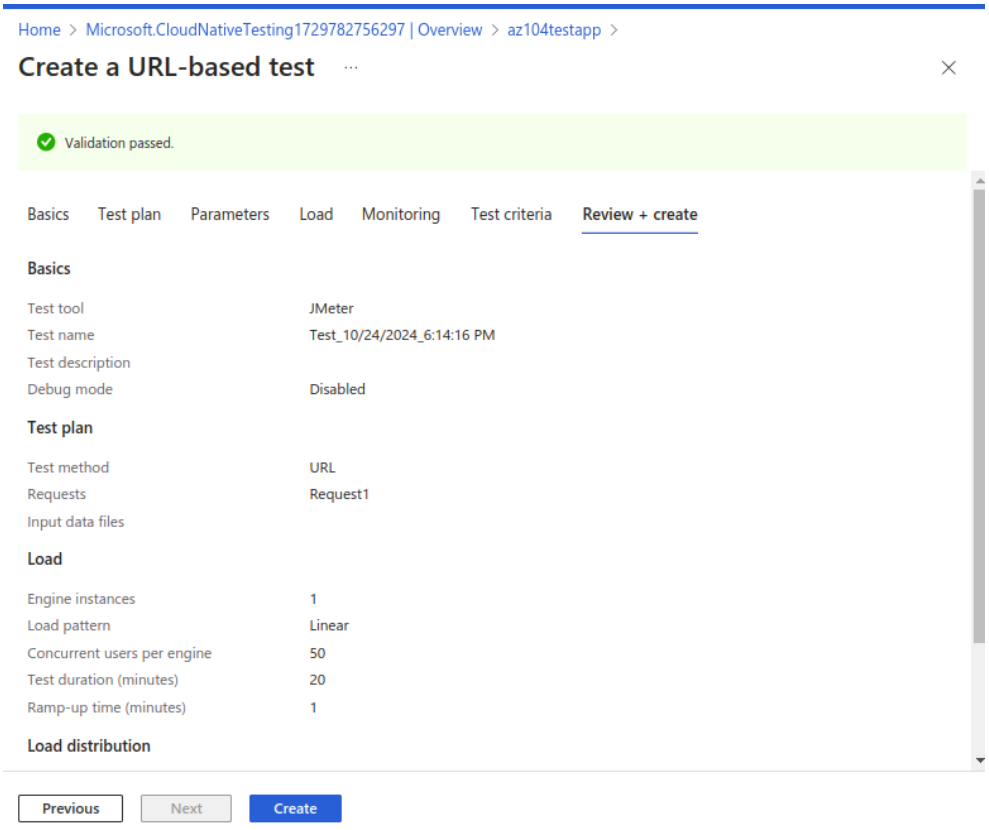
8.From the Overview Add HTTP requests, select Create.



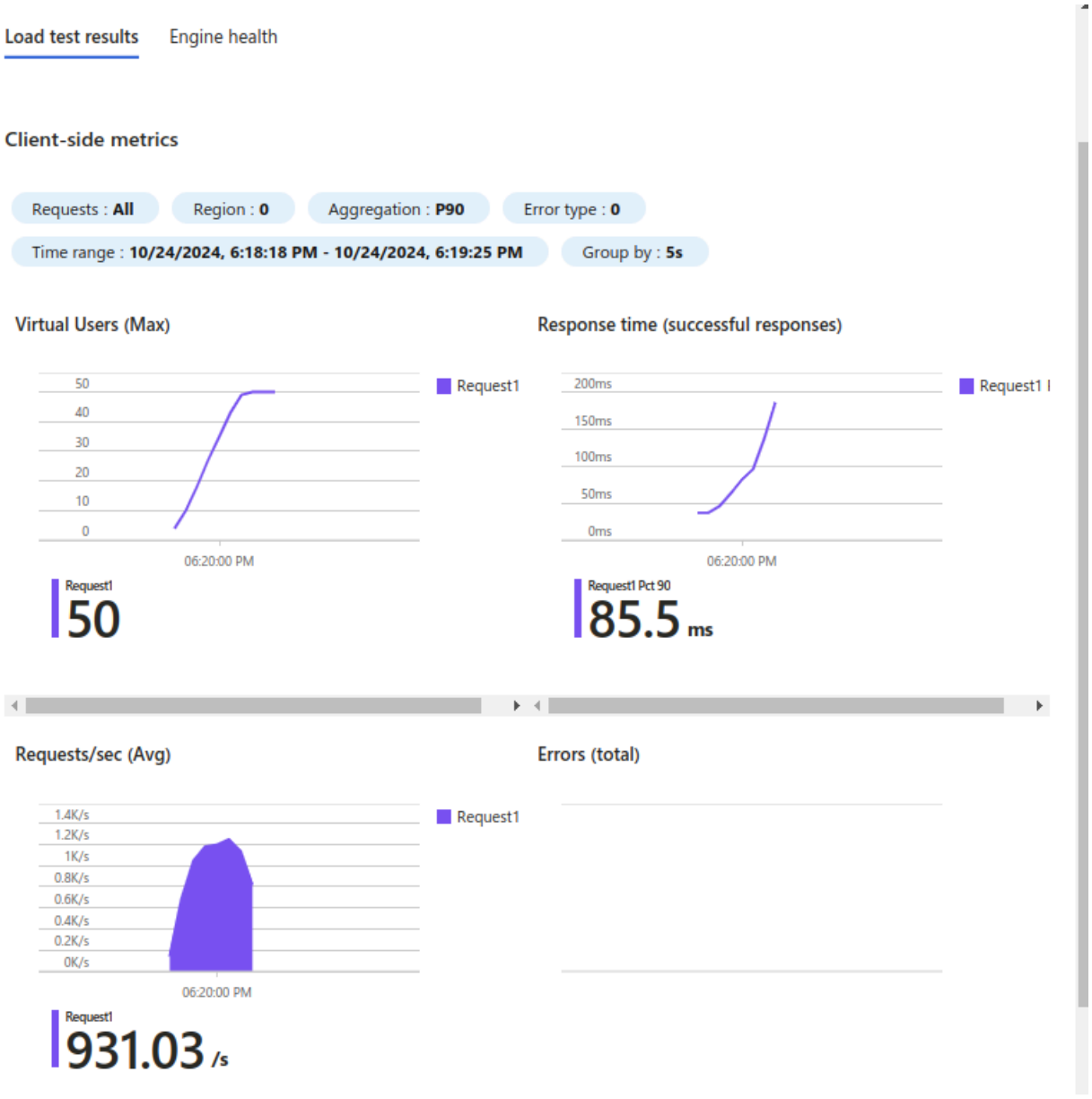
9.On the Test plan tab, click Add request. In the URL field, paste in your Default domain URL. Ensure this is properly formatted and begins with https://.



10.Select Review + create and Create.



11.Review the test results including Virtual users, Response time, and Requests/sec.



12.Select Stop to complete the test run.