

TASK 1: Create an Azure Web App

Microsoft Azure


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BasicsDatabaseDeploymentNetworkingMonitor + secureTagsReview + 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	a5742b9d-9daa-4a08-a35e-c83a0f90d04b
Resource Group	az104-rg9
Name	az104-web-usman
Secure unique default hostname	Enabled
Publish	Code
Runtime stack	PHP 8.2

App Service Plan (New)

Name	ASP-az104rg9-a457
Operating System	Linux
Region	Canada Central
SKU	Premium V3
Size	Small
ACU	195 minimum ACU/vCPU
Memory	8 GB memory

Create

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TASK 2: Create a Deployment Slot (Staging)



Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.



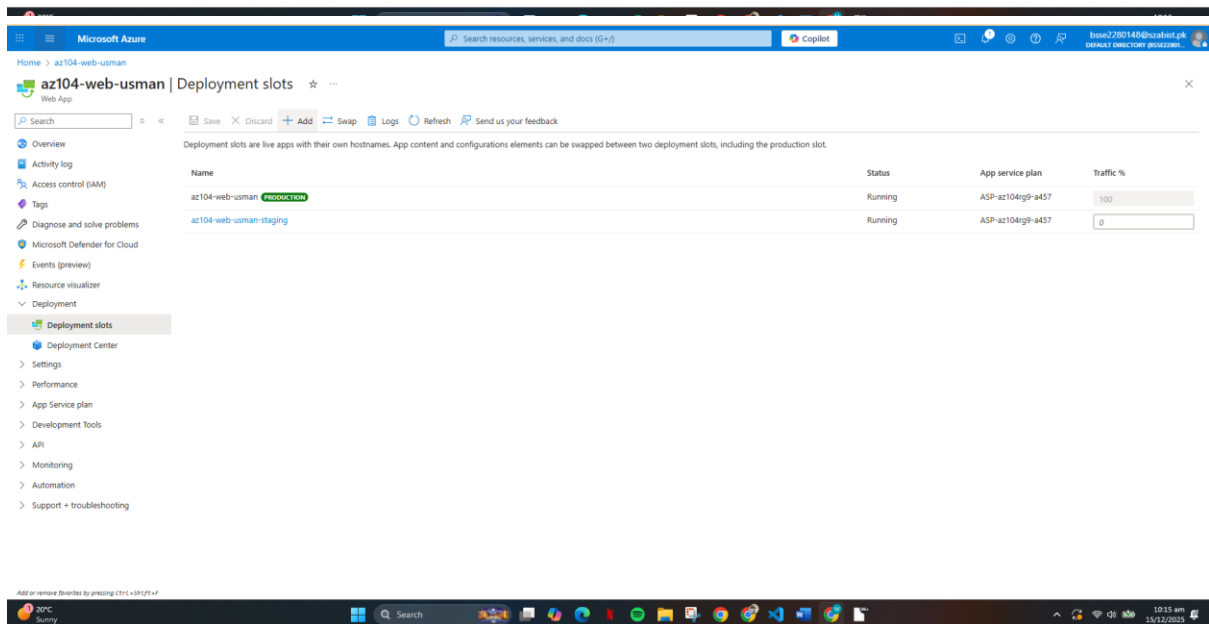
 Built with PHP

Haven't deployed yet?
Use the deployment center to publish code or set up continuous deployment.

[Deployment center](#)

Starting a new web site?
Follow our Quickstart guide to get a web app ready quickly.

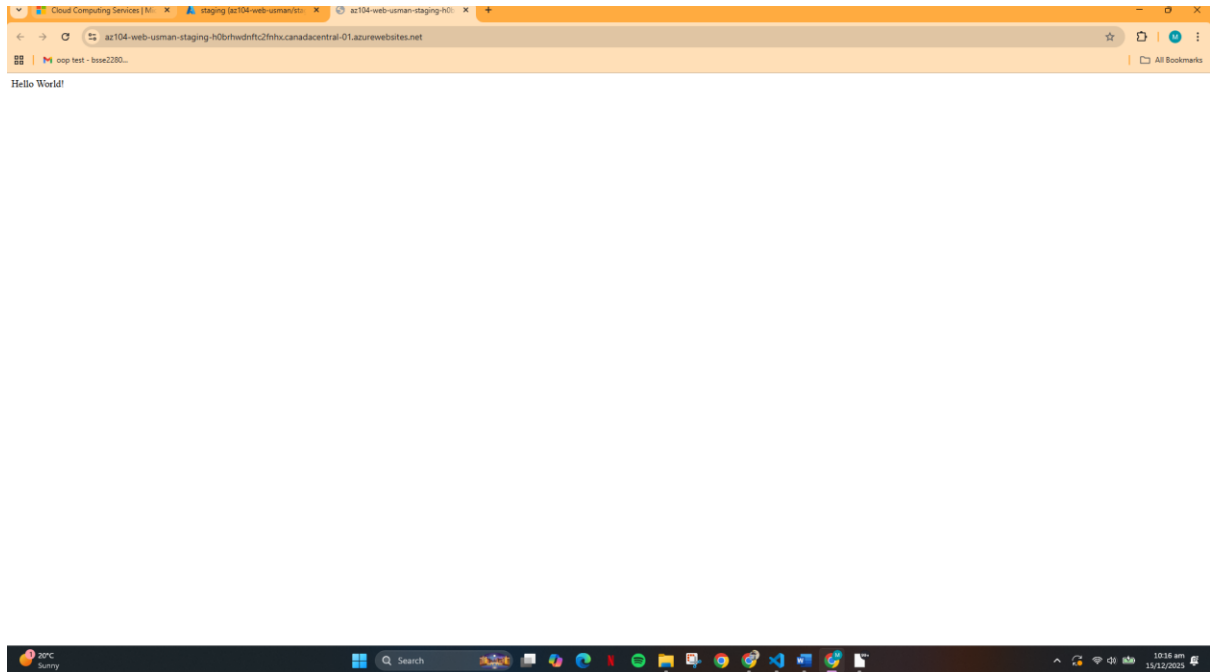
[Quickstart](#)



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user profile. The main content area displays the 'Deployment slots' for the 'az104-web-usman' web app. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Microsoft Defender for Cloud, Events (preview), Resource visualizer, and Deployment. The 'Deployment slots' section is expanded, showing a table with two slots: 'az104-web-usman' (Production) and 'az104-web-usman-staging' (Staging). Both slots are in a 'Running' state and are associated with the 'ASP-az104rgb-a457' app service plan. The 'Production' slot has 100% traffic, while the 'Staging' slot has 0% traffic.

Name	Status	App service plan	Traffic %
az104-web-usman PRODUCTION	Running	ASP-az104rgb-a457	100
az104-web-usman-staging	Running	ASP-az104rgb-a457	0

TASK 3: Configure Deployment from GitHub



TASK 4: Swap Staging with Production

Microsoft Azure

Home > staging (az104-web-usman/staging)

staging (az104-web-usman/staging) | Deployment slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

Name
az104-web-usman PRODUCTION
az104-web-usman-staging

Swap

Source: az104-web-usman-staging

Target: **az104-web-usman** **PRODUCTION**

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.

Setting	Type	Old Value	New Value
No Changes			

Start Swap **Close**

Cloud Computing Services | M... | az104-web-usman - Microsoft | az104-web-usman-gec4db7c...

az104-web-usman-gec4db7cuhbc4fh.canadacentral-01.azurewebsites.net

oop test - base2280...

Hello World!



TASK 5: Configure Autoscaling + Load Test

The screenshot displays the Microsoft Azure portal interface. The top navigation bar shows the user is logged in as 'bssan2200148@scabint.pk'. The main content area is titled 'az104-web-usman | Scale out'. On the left, a sidebar lists various Azure services, with 'Scale out' selected. The 'Scale out' configuration page shows the current plan as 'Premium v3 P1V3'. The 'Scale out method' is set to 'Automatic', which is described as 'Platform managed scale out and in based on traffic'. The 'Maximum burst' is set to 2, and 'Always ready instances' are set to 1. The 'Enforce scale out limit' is turned off. Below the configuration, there are 'Save' and 'Discard' buttons. A second screenshot shows the 'Create a load testing resource' window, which has a 'Validation passed' message. The 'Review + create' tab is active, showing the following details: Subscription: Azure subscription 1, Resource group: az104-rg9, Name: MUB, Region: East US, and Encryption type: MMK. At the bottom of this window are 'Previous', 'Next', and 'Create' buttons.

Microsoft Azure

Home > az104-web-usman | Scale out

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Current plan: Premium v3 P1V3 (Change)

Price (instance): 0.168 USD/hour (122.64 USD/month)

Memory (GB): 8

Maximum scale (instance): 30

Active instance count: [Metrics] Learn more about automatic scaling events.

Scaling

When scaling demand changes, you can manually scale your resource to a specific instance count, or via a custom Autoscale rule based policy that scales based on metrics thresholds, or schedule instance count which scales during designated time windows. You can also use Automatic Scaling features which enables platform managed scale in and scale out for your apps based on incoming HTTP traffic. Learn more about Azure Autoscale, Automatic Scaling or view the how-to video.

Scale out method

☐ Manual
Maintain a constant instance count for your application

☒ Automatic
Platform managed scale out and in based on traffic

☐ Rules Based
User defined rules to scale on a schedule or based on any app metric

Maximum burst: 2

Always ready instances: 1

Enforce scale out limit: ☐

Save Discard

Microsoft Azure

Home > az104-web-usman | Diagnose and solve problems > Azure Load Testing >

Create a load testing resource

Validation passed.

Basics Encryption Tags Review + create

Basics

Subscription: Azure subscription 1

Resource group: az104-rg9

Name: MUB

Region: East US

Encryption

Encryption type: MMK

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Home > MUB >

20°C Sunny

10:26 am 15/12/2025

Create a URL-based test

Validation passed.

Basics

Test plan

Parameters

Load

Monitoring

Test criteria

Review + create

Basics

Test plan

Parameters

Load

Monitoring

Test criteria

Review + create

Test tool

Test name

Test description

Debug mode

Test method

Requests

Input data files

Engine instances

Load pattern

Concurrent users per engine

Test duration (minutes)

Ramp-up time (minutes)

East US

Resources

JMeter

Test_12/15/2025_10:25:45 AM

Disabled

URL

Request1

1

Linear

50

20

1

1

0

Next steps

Run test after creation

Test run description

Test run options

Enter purpose of test run

Debug

As configured

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Home > MUB >

20°C Sunny

10:29 am 15/12/2025

TestRun 12/15/2025 10:27:08 AM

Last updated by: base2280148@msabtest.pk | Initiated on: 12/15/2025, 10:27:09 AM

View all test runs

Stop

Delete

Configure server side metrics

Download

View logs

Share

Refresh

Give feedback

Test run feedback

How was your experience running a load test with Azure Load Testing?

Executing

Start time : 12/15/2025, 10:27:15 AM

End time : --

Duration : --

Engine instances : 1

Virtual users (Max) : --

Virtual user hours : --

Test run ID : 023d8c7f-cd5a-4e49-9a26-249066e0604a

Baseline : Set baseline

AI insights

Client side metrics

Server side metrics

Engine health

AI summary and insights

AI-powered insights will be available after the test run is completed and artifacts are available. Learn more

Server-side metrics aren't configured. Configure them now to unlock deeper AI-based insights and results. Learn more

Client-side metrics

Requests : Request1

Aggregation : P90

Error Type : None

Group by : 10s

Virtual Users (Max)

Requests/sec (Avg)

Response time (successful responses)

Errors (total)

Request1 | 49

Request1 P90 | 70ms