

TASK 1: Create an Azure Web App

The screenshot shows the Microsoft Azure portal interface for creating a new web app. The top navigation bar includes 'Microsoft Azure', a search bar, and a 'Copilot' button. Below the navigation, the breadcrumb path 'Home > App Services > Create Web App' is visible. The main content area is titled 'Create Web App' with a '... more' link.

The 'Review + create' tab is selected in the top navigation bar. Below it, there are tabs for 'Basics', 'Database', 'Deployment', 'Networking', 'Monitor + secure', 'Tags', and 'Review + create'. The 'Summary' section shows the selected 'Web App by Microsoft' and 'Premium V3 (P1V3) sku'. A note indicates that basic authentication is currently disabled and may impact deployments. The 'Details' section lists the subscription, resource group, name, secure unique default hostname, publish method, and runtime stack. The 'App Service Plan (New)' section details the app service plan settings, including the name, operating system, region, SKU, size, ACU, and memory. At the bottom, there are buttons for 'Create', '< Previous', 'Next >', and 'Download a template for automation'.

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.

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

[Deployment center](#)

[Quickstart](#)

az104-web-usman | Deployment slots

Name	Status	App service plan	Traffic %
az104-web-usman PRODUCTION	Running	ASP-az104rg9-a457	100
az104-web-usman-staging	Running	ASP-az104rg9-a457	0

Add or remove favorites by pressing Ctrl + Shift + F

TASK 3: Configure Deployment from GitHub



TASK 4: Swap Staging with Production

The screenshot shows the Microsoft Azure portal interface. The left sidebar is collapsed, and the main content area displays the 'Deployment slots' section for the 'staging (az104-web-usman/staging)' app service. A modal window titled 'Swap' is open, showing the configuration for swapping between 'az104-web-usman-staging' (Source) and 'az104-web-usman' (Target). The 'Source slot changes' tab is selected, showing a table with one entry: 'No Changes'. At the bottom of the swap modal is a 'Start Swap' button. Below the portal, a Windows taskbar shows a browser window displaying the 'Hello World!' application.



TASK 5: Configure Autoscaling + Load Test

Microsoft Azure

az104-web-usman | Scale out

Web App

Search Refresh Send us your feedback

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 metric(s) 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](#).

Deployment

Settings

Performance

App Service plan

App Service plan

Scale up

Scale out

Development Tools

API

Monitoring

Automation

Support + troubleshooting

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

20°C Sunny

Microsoft Azure

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

Create a load testing resource

Validation passed.

Basics

Subscription: Azure subscription 1
Resource group: az104-rg8
Name: MLB
Region: East US

Encryption

Encryption type: MMK

Previous Next Create



Microsoft Azure

Home > MLB >

Create a URL-based test

Validation passed.

Basics Test plan Parameters Load Monitoring Test criteria Review + create

Test tool: JMeter
Test name: Test_12/15/2025_10:25:45 AM
Test description:
Debug mode: Disabled

Test plan:
Test method: URL
Requests: Request1
Input data files:

Load:
Engine instances: 1
Load pattern: Linear
Concurrent users per engine: 50
Test duration (minutes): 20
Ramp-up time (minutes): 1

Load distribution:
East US : 1

Resources:
Resources : 0

Next steps
Run test after creation
Test run description
Test run options
Enter purpose of test run
Debug
Runs with 1 engine for up to 10 minutes, providing debug logs and data for failed requests. Learn more
As configured
Runs with the number of engines and duration as configured in the test.

Previous Next Create

Microsoft Azure

Home > MLB >

TestRun_12/15/2025_10:27:08 AM

Last updated by bise228014@zaabot.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? [Feedback](#)

Executing
Start time : 12/15/2025, 10:27:15 AM Engine instance : 1 Test run ID : 023d8cf1-cd5a-4e49-9a26-249066ed604a
End time : -- Virtual users (Max) : -- Baseline : Set baseline
Duration : -- Virtual user hours : --

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)
Request1 | 49

Response time (successful responses)
Request1 P90 | 70ms

Requests/sec (Avg)

Errors (total)

10:26 am 12/15/2025