

**Assignment: 02**  
**Lab: 09a**  
**Name: Ameer Umar Khan**  
**ID: 2280137**  
**Section: 7B**

## Task 1:

### Creating web app

Microsoft Azure

Home > App Services > Create Web App

Subscription \* Azure subscription 1

Resource Group \* (New) az104-rg9 [Create new](#)

Instance Details

Name web-app-2280137 -amhbeqfwgcnfibt.eastus-01.azurewebsites.net

☒ Secure unique default hostname on. [More about this update](#)

Publish \* ☒ Code ☐ Container

Runtime stack \* PHP 8.2

Operating System \* ☒ Linux ☐ Windows

Region \* East US

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](#)

Linux Plan (East US) \* (New) ASP-az104rg9-bcfff [Create new](#)

Pricing plan Premium V3 P1V3 (195 minimum ACU/vCPU, 8 GB memory, 2 vCPU) [Explore pricing plans](#)

Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. Your initial instance count will be set based on your zone redundancy configuration. To ensure you'll be able to enable zone redundancy at

[Review + create](#) < Previous Next: Database >


## Task 2:

### Default link for web app

Microsoft Azure

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](#)



## Adding a slot



ameerumar320@gmail...  
DEFAULT DIRECTORY (AMEERUM...)

# Add Slot

Name

staging

web-app-2280137-staging-f9d5g9dwdwggbh5.centralindia-01.azurewebsites.net

Clone settings from:

Do not clone settings

## Task 3: Configuring external git on slot

Microsoft Azure

Search resources, services, and docs (G+V)

Copilot

ameerumar320@gmail...  
DEFAULT DIRECTORY (AMEERUM...)

Home > web-app-2280137 | Deployment slots > staging (web-app-2280137/staging)

### staging (web-app-2280137/staging) | Deployment Center

App Service (Slots)

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Resource visualizer

Deployment

Deployment slots

Deployment Center

Settings

Performance

App Service plan

Development Tools

API

Monitoring

Automation

Support + troubleshooting

Settings

Containers (new)

Logs

FTPS Credentials

Deploy and build code from your preferred source and build provider. [Learn more](#)

Source \*

External Git

Building with App Service Build Service  
[Change provider](#)

External Git

If your code is not on GitHub or Bitbucket, you can use this option to manually sync your code from the repository. When you sync your repository, App Service will pull your code, build your application, and deploy it to your app.

Repository \*

https://github.com/Azure-Samples/php-docs-hello-world

Branch \*

master

Repository type \*

☒ Public

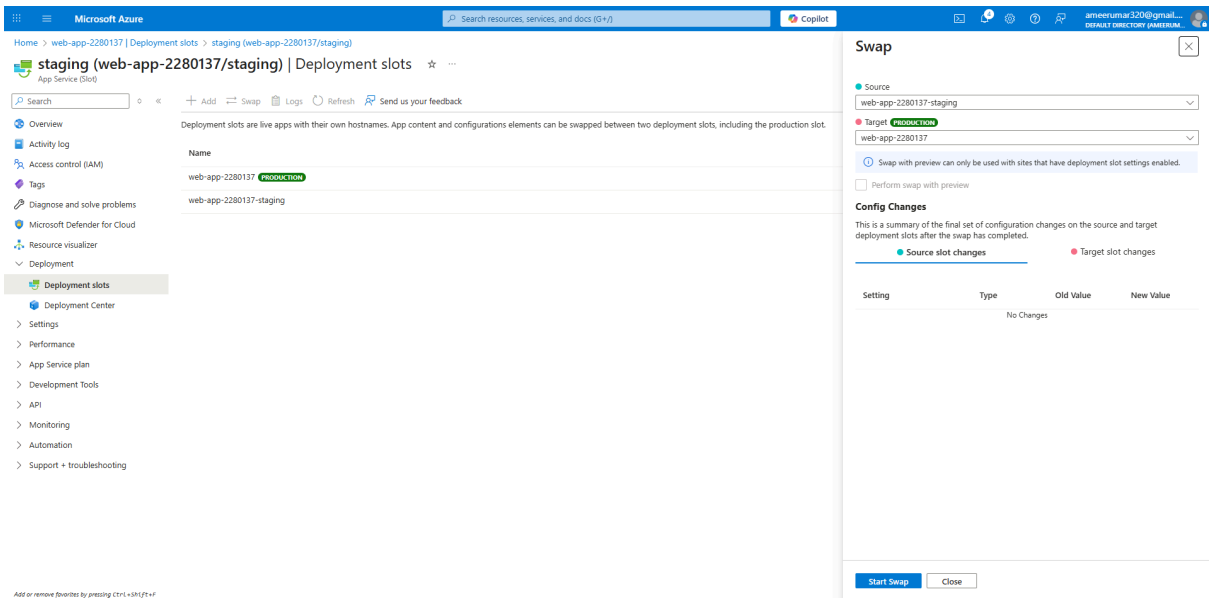
☐ Private

Add or remove favorites by pressing Ctrl+Shift+F

# Checking default domain now



## Task 4: Swapping slots



Swap successful



ameerumar320@gmail...  
DEFAULT DIRECTORY (AMEERUM...



## Notifications



[More events in the activity log](#) →

[Dismiss all](#) ▼



### Swapping slots



Successfully swapped slots 'staging' and 'production'

a minute ago

Default domain in production slot verified



web-app-2280137-amhbeqfwgcnfddtcentralindia-01.azurewebsites.net



Hello World!

## Task 5:

### Configuring auto scaling on web app

The screenshot shows the 'Scale out' configuration page for a web app named 'web-app-2280137'. 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, Deployment, Deployment slots, Deployment Center, Settings, Performance, App Service plan, App Service plan, Scale up, Scale out (selected), Development Tools, API, Monitoring, Automation, and Support + troubleshooting. The main content area displays the current plan as 'Premium V2 P1v2 (change)', price of 0.164 USD/hour, memory of 8 GB, maximum scale of 30 instances, and active instance count. The 'Scaling' section explains that scaling can be manual or automatic. The 'Scale out method' is set to 'Automatic', which is platform managed. The 'Maximum burst' is set to 2, 'Always ready instances' is set to 1, and 'Enforce scale out limit' is turned on. At the bottom, there are 'Save' and 'Discard' buttons.

web-app-2280137 | Scale out

Search resources, services, and docs (G+/I)

Microsoft

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My Microsoft account

Switch directory

Sign out

Sign in with a different account

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Events (preview)

Resource visualizer

Deployment

Deployment slots

Deployment Center

Settings

Performance

App Service plan

App Service plan

Scale up

Scale out

Development Tools

API

Monitoring

Automation

Support + troubleshooting

Current plan: Premium V2 P1v2 (change)

Price (instance): 0.164 USD/hour (119.72 USD/month)

Memory (GB): 8

Maximum scale (instance): 30

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

Maximum available zones: Not available (Get more info)

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.

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

Always ready instances

Enforce scale out limit

Save Discard

Add or remove favorites by pressing Ctrl+Shift+F

## Creating load test

The screenshot shows the 'Create a load testing resource' page in the Azure portal. The left sidebar contains a navigation menu with options like Basics, Encryption, Tags, Review + create, and Create a load testing resource (selected). The main content area displays the 'Project details' section, which includes a description of Azure Load Testing and a form to select the subscription and resource group. The 'Instance details' section includes a form to select the name and region. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons.

Microsoft Azure

Search resources, services, and docs (G+/I)

Microsoft

ameerumar320@gmail.com

My Microsoft account

Switch directory

Sign out

Sign in with a different account

Home > web-app-2280137 | Diagnose and solve problems > Azure Load Testing >

Create a load testing resource

Basics Encryption Tags Review + create

Azure Load Testing is a fully managed load-testing service that makes it easy to generate high-scale load and identify performance bottlenecks. Learn more

Project details

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

Subscription \* Azure subscription 1

Resource group \* az104-rg9

Create new

Instance details

Name \* load-test-2280137

Region \* East US

Previous Next Review + create

# Adding request for test

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

ameerumar320@gmail...  
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Microsoft.CloudNativeTesting1768390749468 | Overview > load-test-2280137 >

Create a URL-based test ...

Basics Test plan Parameters Load Monitoring Test criteria Review + create

Requests

Enter the request details that you want to test. You can add up to 5 requests in a test. [Learn more](#) ⓘ

+ Add request

Name

Add requests to the test.

Input data files

Upload the input data files in CSV format with ',' as the delimiter. The file should not have header row. Provide comma-separated variable names below instead of using a header row. You can use the variable name in your request as \${ColumnName}.

Choose files ⓘ

Select a file ⓘ Upload

File name Size Status Variables Progress

Managed Identity for authentication scenarios

If your test script requires a managed identities to retrieve authentication tokens, please select the appropriate identity to be used.

Identity type \*

☒ None

☐ System assigned identity

☐ User-assigned identity

Previous Next Review + create

Add request

Enter the request details like URL, method, headers and body or add a cURL command. You can add up to 20 headers. Extract data into response variables to use in any subsequent requests as \${VariableName}. [Learn more](#) ⓘ

Request format \*

☒ Add input in UI

☐ Add cURL command

Request name \*

Request1

URL \*

<https://web-app-2280137-ambbeqfwgcnf0bt.centralindia-01.azurewebsites.net/> ✓

E.g. <https://azure.microsoft.com>

HTTP method \*

GET

Query parameters Headers Response variables

Name ⓘ Value ⓘ URL Encode? ⓘ

Enter name Enter value ☐

Copy as cURL

Add Cancel

# Viewing the test run

